INDEX TO VOLUME 24

AUTHORS INDEX

In this index following the author's name the title of the subject is given as it appeared in the JOURNAL.

A

ABARBANEL, A. (*See* RUBINSTEIN AND ABARBANEL), 799

ABRAMS, H. (*See* MUSCHAT, MERANZE, AND ABRAMS), 374

ABRAMSON, HAROLD A., AND OCHS, I. Skin reactions. VI. A simple micromethod for the assay of histamine in mammalian blood, 398

ADRIANI, JOHN. Effects of anesthetic drugs upon rats treated with sulfanilamide, 1066

AMBERG, EDWARD J. (*See* HOLMES, CAMPBELL, AND AMBERG), 1119

AMIDON, E. L. Hematologic studies in acute infections, 1009

ANDERSON, C. W. (*See* GUNDERSON AND ANDERSON), 1085

ANDERSON, ARTHUR K., AND ZIPKIN, ISADORE. Free chlorine as a source of error in blood sugar determinations, 1209

ANDES, JEROME E., AND NORTHUP, DAVID W. Photoelectric colorimetry. I. Determination of blood iron and hemoglobin, 197

—, and —. Photoelectric colorimetry. III. Quantitative determination of blood glucose, blood cholesterol, serum phosphorus, plasma proteins, and urine sugar, 529

—. (*See* NORTHUP, HAWK, AND ANDES), 432

APPLEBAUM, MARTHA, AND FRISBEE, FRANCES C. Maintaining the potency of bacteriophage preparations stored for long periods of time, 1290

ARMSTRONG, ARTHUR RILEY, AND MUIRHEAD, DAVID ROBERTSON. Sulfapyridine in blood of guinea pigs after oral administration, 1281

—, THOMPSON, J. LYNDON, AND THOMAS, AMELIA RUTH. The optimum dose of sulfanilamide for guinea pigs, 1203

ASHBY, GERALD K. A simple inexpensive turbidimeter, 654

B

BACA, D. E. (*See* WILHELMJ AND BACA), 207

BACHRACH, W. H., AND FOGELSON, S. J. The role of the upper gastrointestinal tract in the etiology of pernicious anemia, 249

BAETHKE, ELIZABETH. (*See* SANDERSON, GREENBLATT, AND BAETHKE), 185

BAKER, RUSSELL L. (*See* OSGOOD, BAKER, BROWNLEE, OSGOOD, ELLIS, AND COHEN), 905

BAME, ELOISE. (*See* WIKOFF, BAME, AND BRANDT), 427

BARNARD, ROBERT D. Fulminate-ferricyanide reagent, 649

BAUERLEIN, T. C. (*See* TSUCHIYA AND BAUERLEIN), 627

BEATTIE, MARGARET, AND NICEWONGER, ROBERT. The differentiation of bovine and human strains of tuberculosis by the method of Bertrand, Bablet, and Bloch, 1310

BEN-ASHER, S. Metastatic bone carcinomatosis associated with parathyroid hyperplasia and with symptoms of hyperparathyroidism, 709

BERENS, CONRAD. (*See* CHAPMAN AND BERENS), 601

BERG, SAMUEL. Unreliability of oxalated blood in determination of erythrocyte sedimentation rate, 757

BISHOP, FRANCIS W. An inexpensive portable electrical thermometer for the hyperpyrexia clinic, 181

BLAUVELT, LEE. The use of noncooked, nonsterilized coconut milk as an additional nutrient substance in culture media, 420

BLOCH, OSCAR, JR. A simple blood pipette cleaner, 749

BOMZE, EDWARD J., AND KIRSHBAUM, JACK D. Lymphosarcoma of the mediastinum (malignant thymoma), 928

BOWER, JOHN O., BURNS, JOHN C., AND MENGLE, HAROLD A. Prontosil and the treatment of spreading peritonitis in dogs, 240

BOWIE, EVANGELINE. Atmospheric pollen of Nashville, Tenn., 342

BOWMAN, DONALD E. The use of a reducing factor of pregnancy urine in the diagnosis of pregnancy, 1072

BOWMAN, RUSSEL O. (*See* MURPHY, DUSTIN, AND BOWMAN), 1050

BRADLEY, WILLIAM R., AND FIRST, MELVIN W. The physiologic response of pleural surfaces to implanted dusts, 44

BRANDT, MANUAL. (*See* WIKOFF, BAME, AND BRANDT), 427

BREAZEALE, EDWARD L., AND GREENE, ROBERT A. The stability of Kline antigen emulsions, 181

BREH, F. The use of air-cooled condensers in blood cholesterol determinations, 635

BREWER, JOHN H. A modification of the Brown anaerobe jar, 1190

BROWN, AARON. Two new filters, using the Seitz E. K. sterilizing pads, 990

BROWN, ELIZABETH C., AND NAGLE, NATHAN. The time interval in reading the Kahn test, 1301

BROWN, HERMAN. Micromethods for the quantitative analysis of urinary calculi, 976

—. (*See* KOLMER, BROWN, RULE, AND WERNER), 164

BROWNLEE, INEZ E. (*See* OSGOOD, BAKER, BROWNLEE, OSGOOD, ELLIS, AND COHEN), 905

BURGERT, PAUL H., NADLER, WALTER H., AND STOTT, RUTH. A comparison of tests for insulin sensitivity, 1128

BRUGSCH, JOACHIM THEODOR, AND SHEARD, CHARLES. Determination and quantitative estimation of the decomposition of chlorophyll in the human body, 230

BURLINGAME, ELLA M., AND REDDISH, GEORGE F. Laboratory methods for testing fungicides used in the treatment of epidermophytosis, 765

BURNS, JOHN C. (*See* BOWER, BURNS, AND MENGLE), 240

BUSSABARGER, R. A., CUTHBERT, F. P., AND IVY, A. C. Studies on the anemia of pregnancy in gastrectomized and normal dogs, 24

BUTT, HUGH R., POWER, MARSCHELLE H., AND KEYS, ANCEL. The concentration of acacia in the serum, its rate of excretion, and its effect on the colloid osmotic pressure following intravenous injection in cases of cirrhosis of the liver, 690

C

CADY, JOSEPH B., AND HERRICK, J. F. A comparative study of certain methods of measuring blood pressure, 861
CALDER, DUNCAN G. (*See* WOFFORD, CALDER, AND FETTER), 260
CAMERON, BERTHA C. (*See* NOBLE AND CAMERON), 559
CAMP, W. J. R. (*See* MAHER AND CAMP), 1198
CAMPBELL, KATHRYN. (*See* HOLMES AND CAMPBELL), 1293
—. (*See* HOLMES, CAMPBELL, AND AMBERG), 1119
CARDONE, EUGENE, AND FALK, K. GEORGE. The refining of antisera. II. Improvements in the preparation of refined and concentrated pneumococcus and meningococcus antibacterial sera, 417
—, AND MAZZARELLA, ROBERT. The adsorption of phenol by protein in preparation of certain biologic products, 137
CARMICHAEL, EMMETT B. Sulfocyanate as a treatment for mange on dogs and other laboratory animals, 656
CATES, H. B., AND GIOVANASZZI, J. G. Effects of smoking on blood sugar and peripheral temperatures of convalescents, 729
CHAIKELIS, ALEXANDER S. A rapid method for determination of water in biological material, 1284
CHAPMAN, GEORGE H., AND BERENS, CONRAD. Comparison of intradermal tests with agglutinability and certain in vitro tests of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli isolated from persons suspected of having chronic infection, 601
—. (*See* STILES AND CHAPMAN), 620
CHAPMAN, SIDNEY S. (*See* HAMMETT AND CHAPMAN), 293
CHEN, K. K., AND ROSE, CHARLES L. Small animal holders for intravenous injection, 750
CHENEY, GARNETT. The intramuscular injection of vitamin K, 919
CIVIN, HELEN. (*See* GOLD AND CIVIN), 1139
COHEN, LOUIS H. The pharmacologic antagonism of metrazol and sodium amytal as seen in human individuals (schizophrenic patients), 681
COHEN, WILLIAM. (*See* OSGOOD, BAKER, BROWNLEE, OSGOOD, ELLIS, AND COHEN), 905
COHN, ALFRED. Notes on the microscopic diagnosis and cultural differentiation of the gonococcus, 986
COHN, D. J., KAPLAN, I., AND LEVINSON, A. A study of calcium and phosphorus in cerebrospinal fluid, 609
—. (*See* KAPLAN, COHN, LEVINSON, AND STERN), 1150
COLE, DEAN B., AND NALLS, WALTER L. Simultaneous bilateral spontaneous pneumothorax, 147
COLIEN, FRANCIS E. The action of chemical and physical agents on Clostridium welchii and its toxin, 245
COTTON, F. S. A short cut in gas analysis, 1177
COWAN, JOSEPH HENRY. Indications for coramin in cardiovascular disease, 225
CRESKOFF, ADOLPH J., AND FITZ-HUGH, THOMAS, JR. The response to liver extract of experimentally induced (typhoid) anemia in rabbits: negative result, 411
CRITTENDEN, PHOEBE J. A note on the stability of picrotoxin solutions, 500
CURB, DOLPH L. (*See* SCHWAB AND CURB), 125
CURRENCE, JOHN DEPAUL. (*See* SHORT AND CURRENCE), 395
CUTHBERT, F. P. (*See* BUSSABARGER, CUTHBERT, AND IVY), 24

D

DEAN, STANLEY ROCHELLE. Studies in convulsant therapy. II. The role of alkalinization, 256
DECHERD, G. M., JR., AND DICKENS, K. L. A note on some presumptive tests for Bence-Jones protein, 210
DE LONG, GOLDIE. (*See* SCOTT AND DE LONG), 423
DICKENS, K. L. (*See* DECHERD AND DICKENS), 210
DIGILIO, VICTOR A., PESCATORE, JOSEPH A., AND GOLDBERG, HAROLD E. Lethal differences between pancreatic extract (Wolffe) and acetyl-beta-methylcholine in atropinized animals, 360
DUERSCHNER, DOROTHY RHOADES. (*See* MURPHY AND DUERSCHNER), 70
DUNDY, HAROLD D., LEVIN, LOUIS, AND MARKOW, HARRY. Ragweed hay fever: the effect of dosage in the treatment of 314 cases, 583
DUSTIN, CECIL C. (*See* MURPHY, DUSTIN, AND BOWMAN), 1050

E

EATON, A. G. The basal metabolic rate of normal individuals in New Orleans, 1255
EBERTZ, EDWIN G., AND LOBITZ, WALTER C., JR. Induced localization of streptococci through calcium gluconate injections, 1250
—, and —. Ragweed pollen: an artefact in tissue sections, 952
EDDY, HELEN M. (*See* MYERS AND EDDY), 502
EDWARDS, DAYTON J., AND WILSON, MAY G. The standard for comparing the vital capacity of subjects of different size and a chart for practical use, 543
EINSEL, I. H. (*See* QUIGLEY, EINSEL, AND MESCHAN), 485
ELLIS, DOROTHY M. (*See* OSGOOD, BAKER, BROWNLEE, OSGOOD, ELLIS, AND COHEN), 905
ERICKSON, BETTY NIMS. (*See* LEE AND ERICKSON), 821
EVANS, FLORENCE L. A simple and inexpensive cage for mice, 1306
EYSTER, J. A. E., AND HIPPLE, J. S. A micrometer curve measuring apparatus, 1205
EZICKSON, WILLIAM J. Liver dysfunction as a possible causative factor in renal lithiasis, 836

F

FALK, K. GEORGE. (*See* CARDONE AND FALK), 417
FARMER, LAURENCE. The use of urethane in symptomatic treatment of bronchial asthma, 453
FEINBLATT, HENRY M. Juvenile diabetes mellitus, 337
FERGUSON, EDGAR. (*See* PLOTZ, ROTHENBERGER, FERGUSON, AND GINSBURG), 844
FERGUSON, JOHN H. A standardized procedure for the study of coagulation reactions (in vitro), 273
FETTER, FERDINAND. (*See* WOFFORD, CALDER, AND FETTER), 260
FIRST, MELVIN W. (*See* BRADLEY AND FIRST), 44
FISHBACK, DAVID B. A new instrument for testing condition of myocardium at autopsy (myocardiometer), 657
FITZ-HUGH, THOMAS, JR. (*See* CRESKOFF AND FITZ-HUGH), 411
FLAMM, GEORGE. (*See* GELFAND, FLAMM, AND HEIFITZ), 1077
FLYNN, CATHERINE S. (*See* HAC, FLYNN, AND PERRY), 567
FODOR, ANDREW R. (*See* POSNER, MYERS, AND FODOR), 315
FOGELSON, S. J. (*See* BACHRACH AND FOGELSON), 249

FRIEDMAN, ARNOLD, ISAACS, RAPHAEL, AND LUFKIN, ANNE. The "average daily reticulocyte response" during therapy in pernicious anemia, 677
FRIEND, DALE G., AND ROBINSON, ROGER W. Action of sodium thiocyanate upon tissue oxygen consumption, 832
FRISBEE, FRANCES C. (*See* APPLEBAUM AND FRISBEE), 1290

G

GALLAGHER, H. J. (*See* WHEELER, GALLAGHER, AND STUART), 1135
GELFAND, H. HAROLD, FLAMM, GEORGE, AND HEIFITZ, A. J. Studies in the preparation of pollen extracts. II. Analysis of the sediment of pollen extract obtained by vacuum filtration. Its questionable specific excitant activity, 1077
GIBBON, JOHN H., JR. An oxygenator with a large surface-volume ratio, 1192
GIBSON, R. B. (*See* GREENE AND GIBSON), 455
GINSBURG, VICTOR. (*See* PLOTZ, ROTHENBERGER, FERGUSON, AND GINSBURG), 844
GIOVANASZZI, J. G. (*See* CATES AND GIOVANASZZI), 729
GOLD, HARRY, AND CIVIN, HELEN. Gluconic acid as a urinary acidifying agent in man, 1139
GOLDBERG, HAROLD E. (*See* DIGILIO, PESCATORE, AND GOLDBERG), 360
GOODELL, M. (*See* SAHYUN AND GOODELL), 548
GOODRICH, BEN E. (*See* SMITH, GOODRICH, AND NEEDLES), 367
GORDON, ABRAHAM S. Studies in bone marrow, 352
—. (*See* RAWLS, GRUSKIN, RESSA, AND GORDON), 597
GORDON, HAROLD. A methylene blue stain for sections of formalin-fixed marrow, 405
GRAY, S. H. (*See* PROBSTEIN, WHEELER, AND GRAY), 449
GREENBLATT, ROBERT B. (*See* SANDERSON, GREENBLATT, AND BAETHKE), 185
GREENE, JAMES A., AND GIBSON, R. B. Coexistence of diabetes mellitus and diabetes insipidus, 455
GREENE, ROBERT A. (*See* BREAZEALE AND GREENE), 181
GREUTTER, J. E. (*See* MUETHER AND GREUTTER), 212
GRUBB, THOMAS C. (*See* SHAUGHNESSY AND GRUBB), 298
GRUNER, O. C. Correlation of histologic structure with clinical features. II. The case of malignant neoplasms, 152
GRUSKIN, BENJAMIN J. (*See* RAWLS, GRUSKIN, RESSA, AND GORDON), 597
GUEST, GEORGE M. Modified Van Allen hematocrit tube providing for automatic volume adjustment of the blood sample, 75
—, AND WING, MARY. A method for the determination of erythrocyte fragility, using Van Allen hematocrit tubes for the measurement of changes in volume of the cells in hypotonic salt solutions, 850
GUNDERSON, N. O., AND ANDERSON, C. W. A new method for cleaning and sterilizing Kahn or Wassermann tubes, 1085
GUNTHER, CORA B., AND TUFT, LOUIS. A comparative study of media employed in the isolation of typhoid bacilli from feces and urines, 461

H

HAC, LUCILE R., FLYNN, CATHERINE S., AND PERRY, C. ALFRED. Evaluation of H and O antigens in agglutination tests for typhoid fever, 567
HAMMETT, FREDERICK S., AND CHAPMAN, SIDNEY S. The quantitative unreliability of the nitroprusside test for -SH and -S.S-, 293
HARNE, O. G. (*See* RUBINSTEIN, PAINTER, AND HARNE), 1238
HARRELL, GEORGE T., STREET, DANA M., AND REISER, RAYMOND. Chylothorax and chylous ascites, 1045
HARRIS, PHILIP L., AND POLAND, GEORGE L. The effect of bananas on laxation, 580
HASLEY, D. E., AND SCHALTER, H. Preparation of liver media, 523
HAURY, VICTOR G. The effect of intravenous injections of magnesium sulfate on the volume of the extremities, 951
HAWK, FABRY L. (*See* NORTHUP, HAWK, AND ANDES), 432
HEIFITZ, A. J. (*See* GELFAND, FLAMM, AND HEIFITZ), 1077
HENLEY, R. R. An improved mantel for bacteria-proof filter candles, 78
HERRICK, J. F. (*See* CADY AND HERRICK), 861
HERTZMAN, A. B. Photoelectric recording of the pulse and of other oscillatory movements with the electrocardiograph, 409
HIPPLE, J. S. (*See* EYSTER AND HIPPLE), 1205
HITCHCOCK, PHILIP. (*See* MASON AND HITCHCOCK), 717
HOLLANDER, EDWARD. A clinical gauge for sensitivity to pain, 537
HOLMES, HARRY N., AND CAMPBELL, KATHRYN. The determination of vitamin C in urine, 1293
—, —, AND AMBERG, EDWARD J. The effect of vitamin C on lead poisoning, 1119
HOLT, J. P. (*See* LAWSON AND HOLT), 639
HUDDLESON, I. FOREST. (*See* MUNGER AND HUDDLESON), 617
HUNT, H. B., AND WOODHOUSE, D. L. The differential serum vanadate sedimentation reaction, 1
HUNTINGTON, ROBERT W., JR. A simple device for determining approximate oxygen concentration in oxygen tents, 1088

I

ISAACS, RAPHAEL. (*See* FRIEDMAN, ISAACS, AND LUFKIN), 677
IVY, A. C. (*See* BUSSABARGER, CUTHBERT, AND IVY), 24

J

JACOBS, HENRY R. On the nature of the antipernicious anemia principle IV, 128
JAHN, ELSA. (*See* MILLS AND JAHN), 1076
JANES, J. M. A method of pancreatectomy in pigeons, 1210
JOËL, K. Imbedding of the seminal fluid, 970
JOHNSON, HARRY J. (*See* SHORT AND JOHNSON), 590
—. (*See* SHORT, JOHNSON, AND LEVY), 586
JONES, F. G., AND MOSS, JAMES M. Combined diphtheria toxoid and tetanus toxoid, alum precipitated, 512
JONES, HERBERT W., AND MILLER, C. PHILLIP. Neutropenia following sulfanilamide, 121

K

KAMLET, JONAS. A rapid method for determining hypoproteinemia with one drop of serum, 988
—. The detection of acetone and acetoacetic acid in urine, 206
KANDEL, E. V., AND LEROY, G. V. The blood glutathione in hematologic diseases, 669
KANNE, ELIZABETH M., AND MCCARTER, JANET R. A device for viewing precipitin reactions, 847
KAPLAN, I., COHN, D. J., LEVINSON, A., AND STERN, B. A study of enzymes in normal and pathologic cerebrospinal fluid, 1150
—. (*See* COHN, KAPLAN, AND LEVINSON), 609
KATO, KATSUJI. Hematologic indices in normal and anemic patients, 899
—. Triaxial correlation of hematologic indices: its significance in classification and treatment of anemias, 191
KEYS, ANCEL. (*See* BUTT, POWER, AND KEYS), 690
KIMBLE, MARIAN STARK. The photocolorimetric determination of vitamin A and carotene in human plasma, 1055

KIRSHBAUM, JACK D., AND SHIVELY, F. L., JR. Multiple primary malignant tumors, 283
—. (*See* BOMZE AND KIRSHBAUM), 928
KLEEFIELD, ELMER A. (*See* LEVIN, KLEEFIELD, AND LUCIANO), 1030
KLEIN, A. DEO. (*See* SMITH, KLEIN, AND STECK), 1227
KLING, DAVID H., SASHIN, DAVID, AND SPANBOCK, JOSEPH. The mechanism of gold therapy in rheumatoid arthritis, 1241
KNISELY, M. J. A simple and time-saving procedure for the identification of Treponema pallidum, 1309
KOLMER, JOHN A., BROWN, HERMAN, RULE, ANNA M., AND WERNER, MARY F. Toxicity, therapeutic activity, and mode of action of sulfanilamide in experimental streptococcus infections of rabbits, 164
—, RAIZISS, GEORGE W., AND RULE, ANNA M. Sulfanilamide and derivatives in the treatment of experimental pneumococcus infections, 779
KURTZ, PHILIP. The antacid properties of magnesium trisilicate in normal subjects and patients with peptic ulcers, 1015

L

LANDÉ, KURT E. Examination of effusions in tumor cases, 685
LAWSON, HAMPDEN, AND HOLT, J. P. A differential manometer method for the measurement of blood flow, 639
LEE, PEARL, AND ERICKSON, BETTY NIMS. Platelet studies in normal men and women (menstruating and nonmenstruating) and subjects with bleeding disorders, 821
LEIBOFF, S. L., AND TAMIS, ABRAHAM B. A rapid and simplified method of extracting urinary estrogen, 178
LEROY, G. V. (*See* KANDEL AND LEROY), 669
LEVIN, CHARLES M., KLEEFIELD, ELMER A., AND LUCIANO, FRANK A. Experience with zinc insulin crystals, 1030
LEVIN, LOUIS. (*See* DUNDY, LEVIN, AND MARKOW), 583
LEVINSON, A. (*See* COHN, KAPLAN, AND LEVINSON), 609
—. (*See* KAPLAN, COHN, LEVINSON, AND STERN), 1150
LEY, HAROLD A., JR. (*See* SHORT, JOHNSON, AND LEY), 586
LIBET, B., AND YESINICK, L. Note on a new method for the collection of urine in dogs, 1304
LIPSTEIN, SAMUEL. (*See* TARAN AND LIPSTEIN), 479
LOBITZ, WALTER C., JR. (*See* EBERTZ AND LOBITZ), 952, 1250
LOEWENSTEIN, ERICH. A new baby balance, 102
LOGAN, C. E. (*See* TRAUT AND LOGAN), 604
LOMBARD, CHARLES F., AND NELSON, CLARENCE. A new apparatus for oxygen therapy, 724
LOWE, ROBERT C. Alimentary lipemia in young diabetics with evidence of liver damage or dysfunction, 943
LUCIANO, FRANK A. (*See* LEVIN, KLEEFIELD, AND LUCIANO), 1030
LUFKIN, ANNE. (*See* FRIEDMAN, ISAACS, AND LUFKIN), 677

M

MACLENATHEN, ELIZABETH. (*See* WRIGHT AND MACLENATHEN), 804, 806, 808
MAGRUDER, R. GREGORY. A report of three cases of torula infection of the central nervous system, 495
MAHER, FRANK T., AND CAMP, W. J. R. Determination of sulfanilamide in tissue, urine, and blood, 1198
MAIER, EUGENE. Histology of Demodex folliculorum, 594
MAJOR, RALPH H. The effect of liver extract upon polycythemia vera, 65
MARCELLUS, F. S. (*See* MARTIN, MARCELLUS, AND SYKOWSKI), 111
MARKOW, HARRY. (*See* DUNDY, LEVIN, AND MARKOW), 583
MARTIN, S. J., MARCELLUS, F. S., AND SYKOWSKI, P. Plethysmographic studies with special reference to waves of respiration, 111
MASON, EDWARD C., AND HITCHCOCK, PHILIP. The reversal of kidney volume response accompanying abolition of the central nervous system, 717
MASSEL, H. M. Clinical observations on the value of various xanthine derivatives in angina pectoris, 380
MAZZARELLA, ROBERT. (*See* CARDONE AND MAZZARELLA), 137
MCCARTER, JANET R. (*See* KANNE AND MCCARTER), 847
MELENEY, FRANK L. (*See* ZAYTZEFF-JERN AND MELENEY, 1017
MENGLE, HAROLD A. (*See* BOWER, BURNS, AND MENGLE), 240
MERANZE, D. (*See* MUSCHAT, MERANZE, AND ABRAMS), 374
MESCHAN, I. (*See* QUIGLEY, EINSEL, AND MESCHAN), 485
MESSELOFF, CHARLES R. Observations on the use of quinidine sulfate in children, 574
MEYER, ESTHER. Staphylococcus epidermis albus, 1146
MEYER, OVID O. Achlorhydria in leucemia, 135
MILLER, A. T., JR. A simple and accurate hematocrit tube, 547
MILLER, C. PHILLIP. (*See* JONES AND MILLER), 121
MILLER, ISIDORE. Normal hematologic standards in the aged, 1172
MILLER, J. ROSCOE. (*See* VAN DELLEN AND MILLER), 840
MILLS, CLARENCE A. Seasonal and regional factors in acute rheumatic fever and rheumatic heart disease, 53
MILLS, JOHN H. A multiple ring maker for the Kline test, 189
—. A simple inexpensive pipetting machine, 1082
—, AND JAHN, ELSA. Negative serologic reaction for syphilis in nine patients with infectious mononucleosis, 1076
MOODY, A. M. (*See* PROESCHER AND MOODY), 1183
MOOR, H. D., AND NEWPORT, NORSUDA M. The effect of lymphocytes in vitro upon bacterial toxins, 471
MOORE, MAURICE R. Laughlen test for syphilis compared with the Wassermann and Kahn, 973
MOREHOUSE, LAURENCE E., AND TUTTLE, W. W. An electric pulse counter, 1213
MORRISON, MAURICE, AND SAMWICK, A. A. A simple method for the aspiration of bone marrow, 858
MOSS, E. S. (*See* SCHENKEN AND MOSS), 15
—. (*See* WEILBAECHER AND MOSS), 34
MOSS, JAMES M. (*See* JONES AND MOSS), 512
MUELLER, ARTHUR J. A modified apparatus for milking small laboratory animals, 426
MUETHER, R. O., AND GREUTTER, J. E. Comparative study of the Laughlen test for syphilis, 212
MUIRHEAD, DAVID ROBERTSON. (*See* ARMSTRONG AND MUIRHEAD), 1281
MUNGER, MYRTLE, AND HUDDLESON, I. FOREST. A preliminary report of the blood picture in brucellosis, 617
MURPHY, ROBERT F., DUSTIN, CECIL C., AND BOWMAN, RUSSEL O. Hyperinsulinism due to adenoma of the pancreas, 1050
MURPHY, WILLIS A., AND DUERSCHNER, DOROTHY RHOADES. Culture versus guinea pig inoculation in the diagnosis of tuberculosis, 70
MURRAY, MAYNARD. Effect of thymus transplants on tumor growth, 1247
—. The antigenic properties of streptococci killed by ultraviolet light, 1245
MUSCHAT, M., MERANZE, D., AND ABRAMS, H. The chemistry of the urine after renal decapsulation for anuria, 374
MYERS, E. E. Blood-crossing block, 1087

MYERS, JOHN T. (*See* POSNER, MYERS, AND FODOR), 315
MYERS, VICTOR C., AND EDDY, HELEN M. The hemoglobin content of human blood, 502

N

NADLER, WALTER H. (*See* BURGERT, NADLER, AND STOTT), 1128
NAGLE, NATHAN. (*See* BROWN AND NAGLE), 1301
NALLS, WALTER L. (*See* COLE AND NALLS), 147
NARVAEZ, PETER. A new blood culture media apparatus, 849
NEEDLES, ROBERT J. (*See* SMITH, GOODRICH, AND NEEDLES), 367
NELSON, CLARENCE. (*See* LOMBARD AND NELSON), 724
NETER, ERWIN. Demonstration of the bacteriostatic action of sulfanilamide upon hemolytic streptococci in vitro, 650
NETTLESHIP, ANDERSON. Studies on the mechanism of leucocytosis, 130
NEWPORT, NORSUDA M. (*See* MOOR AND NEWPORT), 471
NICEWONGER, ROBERT. (*See* BEATTIE AND NICEWONGER), 1310
NICHOLS, ROY E. A new instrument for automatically recording the erythrocyte sedimentation rate and the volume percentage of cells and plasma upon a single permanent record, 631
NOBLE, ARLYLE, AND CAMERON, BERTHA C. Specificity of pneumococcus types by Quellung and agglutination reactions, 559
NORTHUP, DAVID W., HAWK, FABRY L., AND ANDES, JEROME E. Photoelectric colorimetry. II. Quantitative determination of blood nonprotein nitrogen, urea, creatinine, creatine, guanidine, and amino acids, 432
—. (*See* ANDES AND NORTHUP), 197, 529
—. (*See* VAN LIERE AND NORTHUP), 869
NYGAARD, K. K. New apparatus for photoelectric recording of the coagulability of blood and other progressing processes, 517

O

OBERST, FRED W. The determination of morphine in the urine of morphine addicts, 318
OCHS, I. (*See* ABRAMSON AND OCHS), 398
OSGOOD, EDWIN E. The culture of human marrow as an aid in the evaluation of therapeutic agents, 954
—, BAKER, RUSSELL L., BROWNLEE, INEZ E., OSGOOD, MABLE W., ELLIS, DOROTHY M., AND COHEN, WILLIAM. Total, differential, and absolute leucocyte counts and sedimentation rates of healthy adolescents fifteen to eighteen years of age, 905
OSGOOD, MABLE W. (*See* OSGOOD, BAKER, BROWNLEE, OSGOOD, ELLIS, AND COHEN), 905

P

PAINTER, E. (*See* RUBINSTEIN, PAINTER, AND HARNE), 1238
PALITZ, LAURENCE L. A simple method for recording splenic volume changes in the intact, unanesthetized dog, 1296
PALMER, ALLAN. The quantitative determination of urinary estrogenic hormone (biological method), 643
PERRY, C. ALFRED. (*See* HAC, FLYNN, AND PERRY), 567
—. (*See* PETRAN AND PERRY), 539
PESCATORE, JOSEPH A. (*See* DIGILIO, PESCATORE, AND GOLDBERG), 360
PETRAN, ELIZABETH, AND PERRY, C. ALFRED. The routine use of concentration and culture methods for the detection of tubercle bacilli in microscopically negative sputa and other body fluids, 539
PINKSTON, J. L., AND PINKSTON, J. O. Changes in spleen size, blood pressure, and erythrocyte count after the administration of benzedrine sulfate (phenyl-1, amino-2 propane sulfate) in dogs, 1038
PINKSTON, J. O. (*See* PINKSTON AND PINKSTON), 1038
PLOTZ, MILTON, ROTHENBERGER, MARGARETHE, FERGUSON, EDGAR, AND GINSBURG, VICTOR. Sodium ferrocyanide excretion in the estimation of renal function, 844
POLAND, GEORGE L. (*See* HARRIS AND POLAND), 580
POSNER, JULES L., MYERS, JOHN T., AND FODOR, ANDREW R. Modified apparatus for obtaining gastric contents, 315
POWER, MARSCHELLE H. (*See* BUTT, POWER, AND KEYS), 620
PRESCOTT, BLAKE D. (*See* SCHUBE AND PRESCOTT), 346
PROBSTEIN, J. G., WHEELER, P. A., AND GRAY, S. H. Perforated peptic ulcer, 449
—. (*See* WEICHSELBAUM AND PROBSTEIN), 636
PROESCHER, FREDERICK, AND MOODY, A. M. Detection of blood by means of chemiluminescence, 1183
PUGH, A. E., AND TANDY, A. W., JR. A new stomach tube for oral administration in rats and mice, 80

Q

QUIGLEY, J. P., EINSEL, I. H., AND MESCHAN, I. Some effects produced in the normal stomach by the ingestion of moderate and massive quantities of aluminum hydroxide gel, 485

R

RAIZISS, GEORGE W. (*See* KOLMER, RAIZISS, AND RULE), 779
RAVNER, JANETH. (*See* TOLSTOI AND RAVNER), 458
RAWLS, WILLIAM B., GRUSKIN, BENJAMIN J., RESSA, ANTHONY A., AND GORDON, ABRAHAM S. The relation between skin sensitivity, liver function, leucopenic index, and toxic effects from cinchophen, 597
REDDISH, GEORGE F. (*See* BURLINGAME AND REDDISH), 765
REDOWITZ, EDWARD. Test for occult blood, 95
REISER, RAYMOND. (*See* HARRELL, STREET, AND REISER), 1045
—. Lipid changes in nerve degeneration in avitaminosis A, 701
RESSA, ANTHONY A. (*See* RAWLS, GRUSKIN, RESSA, AND GORDON), 597
RIGDON, R. H. Effect of heat on the hemolytic and skin-necrotizing factors in staphylococcus toxin, 142
—. Experimental nephritis produced by staphylococcus toxin in the dog, 935
—. Hemolysis produced by staphylococcus colonies and toxin on agar media containing various animal bloods, 1264
RINGER, PAUL H. A nonstatistical evaluation of artificial pneumothorax, 893
ROBINSON, ROGER W. (*See* FRIEND AND ROBINSON), 832
ROM, JACK. A simple method of obtaining sputum for pneumococcus typing, 868
ROSE, CHARLES L. (*See* CHEN AND ROSE), 750
ROSENBERG, EDWARD F. Biochemical observations in hypoglycemia induced by insulin. II. Behavior of blood gases in relation to the hypoglycemic state, 809
—. Biochemical observations in hypolgycemia induced by insulin. III. Glycorrhachia and hypoglycemia, 815
—. Biochemical observations in hypoglycemia induced by insulin. IV. Some evidences of blood concentration in hypoglycemia, 913
ROTHENBERGER, MARGARETHE. (*See* PLOTZ, ROTHENBERGER, FERGUSON, AND GINSBURG), 844
ROVNER, LEOPOLD. (*See* WEINSTEIN AND ROVNER), 82

RUBINSTEIN, H. S. The rationale of the use of testosterone propionate in functional uterine bleeding and dysmenorrhea, 1026
—, AND ABARBANEL, A. The influence of the water-soluble gonadotropic factor of pregnancy urine on the testes of the normal immature and mature rat, 799
—, PAINTER, E., AND HARNE, O. G. The neural depressing effect of trichlorethylene, 1238
RULE, ANNA M. (*See* KOLMER, BROWN, RULE, AND WERNER), 164
—, (*See* KOLMER, RAIZISS, AND RULE), 779
RYTAND, DAVID A. A simple rapid method for the determination of total protein and albumin concentrations in blood plasma, serum, or other body fluids, 439

S

SAHYUN, MELVILLE, AND GOODELL, M. The determination of amino acid nitrogen in blood and urine, 548
SAMWICK, A. A. (*See* MORRISON AND SAMWICK), 858
SANDERSON, EVERETT S., GREENBLATT, ROBERT B., AND BAETHKE, ELIZABETH. The complement fixation test in chancroidal infection, 185
SASHIN, DAVID. (*See* KLING, SASHIN, AND SPANBOCK), 1241
SCHALTER, H. (*See* HASLEY AND SCHALTER), 523
SCHATTENBERG, HERBERT J., AND ZISKIND, JOSEPH. Dissecting aneurysms of aorta, 264
SCHENCKEN, JOHN R., AND MOSS, E. S. Trichostrongylus colubriformis in the human appendix, 15
SCHMIDT, E. G. Further observations on the determination of sulfanilamide in blood, 982
—. The determination of sulfapyridine in blood, 795
SCHUBE, PURCELL G., AND PRESCOTT, BLAKE D. The effect of copper and iron upon the secondary anemia of therapeutic malaria in general paresis, 346
SCHWAB, EDWARD H., AND CURB, DOLPH L. A note on the diagnosis of hypertensive cardiovascular disease without hypertension, 125
SCOTT, R. D., AND DE LONG, GOLDIE. Preparation of colloidal gold solution, 423
SCUDDER, SARA A. A practical work kit for pneumococcus typing: Neufeld test, 218
SCUDI, JOHN V. The reduction of prontosil soluble by urine, 68
SCULL, C. WESLER. A simple method for visualizing pressure and volume changes applicable to observations on the rhythmic variations in the peripheral circulation, 753
SEARS, H. J. (*See* SULLIVAN AND SEARS), 1093
SHAPIRO, SHEPARD. Report of a case of essential hypertension of more than twenty-five years' duration showing no renal arteriolar changes at autopsy, 60
SHAUGHNESSY, HOWARD J., AND GRUBB, THOMAS C. Reliability of the agglutination test for undulant fever, 298
SHAW, CLARENCE. Sodium dehydrocholate solution as a solvent for neoarsphenamine in the treatment of syphilis, 624
SHEARD, CHARLES. (*See* Brugsch and Sheard), 230
SHIVELY, F. L., JR. (*See* KIRSHBAUM AND SHIVELY), 283
SHORT, JAMES J., AND CURRENCE, JOHN DEPAUL. An attempt to mobilize lipoids from storage depots by deep massage and increased tissue temperatures, 395
—, AND JOHNSON, HARRY J. A direct comparison of the reactions of the human system to tobacco smoke and adrenalin, 590
—, —, AND LEY, HAROLD A., JR. The effects of tobacco smoking on health, 586
SIEGLER, SAMUEL L. Estrogenic and chorionic gonadotropic hormone in normal pregnancy and toxemia of pregnancy, 1277
SMITH, F. Tests to show the possible influence of greasy, acid, and alkaline tubes on the Widal test, 1080
SMITH, F. JANNEY, GOODRICH, BEN E., AND NEEDLES, ROBERT J. Coronary artery thrombosis, 367
SMITH, PAUL W., KLEIN, A. DEO, AND STECK, IRVING E. The influence of vitamin D on the serum phosphatase activity in arthritis, 1227
SPANBOCK, JOSEPH. (*See* KLING, SASHIN, AND SPANBOCK), 1241
STECK, IRVING E. (*See* SMITH, KLEIN, AND STECK), 1227
STEINBERG, CHARLES LEROY. Massive doses of vitamin D in chronic arthritis: its effect on calcium metabolism, 17
STENGEL, ALFRED, JR., AND VARS, HARRY M. An apparatus for continuous intravenous injections in unanesthetized animals, 525
STERN, B. (*See* KAPLAN, COHN, LEVINSON, AND STERN), 1150
STILES, MERRITT H., AND CHAPMAN, GEORGE H. Relationship between agglutinability and certain in vitro tests of staphylococci, streptococci, and colon bacilli isolated from persons suspected of having chronic infection, 620
STOCK, AARON H. A note on a simple method for the clarification of meat infusion, 1304
STOTT, RUTH. (*See* BURGERT, NADLER, AND STOTT), 1128
STOWE, W. P. Rose bengal excretion and hippuric acid synthesis tests of liver function: a comparison, 866
STREET, DANA M. (*See* HARRELL, STREET, AND REISER), 1045
STUART, C. A. (*See* WHEELER, GALLAGHER AND STUART), 1135
SULLIVAN, N. P., AND SEARS, H. J. A simple technique for concentrating tubercle bacilli in sputum, 1093
SYKOWSKI, P. (*See* MARTIN, MARCELLUS, AND SYKOWSKI), 111

T

TAMIS, ABRAHAM B. (*See* LEIBOFF AND TAMIS), 178
TANDY, A. W., JR. (*See* PUGH AND TANDY), 80
TARAN, ALBERT, AND LIPSTEIN, SAMUEL. The Takata-Ara reaction in amyloidosis, 479
THOMAS, AMELIA RUTH. (*See* ARMSTRONG, THOMPSON, AND THOMAS), 1203
THOMPSON, J. LYNDON. (*See* ARMSTRONG, THOMPSON, AND THOMAS), 1203
TOLSTOI, EDWARD, AND RAVNER, JANETH. The effect of simultaneous multiple injections of insulin on the blood sugar, 458
TRAUT, E. F., AND LOGAN, C. E. Preliminary report on the use of sulfanilamide, 604
TSUCHIYA, H. A method of isolating larvae of Trichinella spiralis for the preparation of the antigen used for immunologic reactions in trichinosis, 1207
—, AND BAUERLEIN, T. C. Intradermal test as an aid in the diagnosis of enterobiasis, 627
TUFT, LOUIS. (*See* GUNTHER AND TUFT), 461
TURNER, OSCAR A. A manual of neurohistologic technique, 735, 871, 991, 1096
TUTTLE, W. W. (*See* MOREHOUSE AND TUTTLE), 1213

V

VAISBERG, MAURICE. An inexpensive small constant temperature bath, 415
VAN DELLEN, T. R., AND MILLER, J. ROSCOE. Electrocardiographic changes following the intravenous administration of magnesium sulfate, 840

VAN LIERE, EDWARD J., AND NORTHUP, DAVID W. A simple device for changing the light intensity in the x-ray illuminator, 869

VARS, HARRY M. (*See* STENGEL AND VARS), 525

VAUGHAN, STUART L. Rapid conversion of tryptophan to indol by resting Bacterium coli, 696

W

WALKER, BURNHAM S. The iron of human blood serum, 308

WALTON, SETH T. A quick and reliable method for staining gonococcus smears, 1308

WEICHSELBAUM, T. E., AND PROBSTEIN, J. G. Determination of hippuric acid in urine, 636

WEILBAECHER, J. O., JR., AND MOSS, E. S. Tularemia following injury while performing post-mortem examination on human case, 34

WEINSTEIN, M. L., AND ROVNER, LEOPOLD. The Geiger-Müller counter, 82

WENDEL, WILLIAM B. Methemoglobin determination, 96

WERNER, MARY F. (*See* KOLMER, BROWN, RULE, AND WERNER), 164

WHEELER, K. M., GALLAGHER, H. J., AND STUART, C. A. An unusual case of autoagglutination, 1135

WHEELER, P. A. (*See* PROBSTEIN, WHEELER, AND GRAY), 449

WIKOFF, HELEN L., BAME, ELOISE, AND BRANDT, MANUAL. A method for the determination of bromide in a protein-free filtrate, 427

WILHELMJ, C. M., AND BACA, D. C. A comparison of methods for the determination of phenol red in gastric contents, 207

WILLIAMS, JOHN W. Difference in growth of pathogenic fungi with variation of medium and oxygen tension, 39

WILLISON, GEORGE W. The effects of bacterial toxins on erythrogenesis, 383

WILSON, MAY G. (*See* EDWARDS AND WILSON), 543

WING, MARY. (*See* GUEST AND WING), 850

WOERNER, C. ARTHUR. A simplified method for continuous intravenous injection into small animals, 963

WOFFORD, CHARLES P., CALDER, DUNCAN G., AND FETTER, FERDINAND. Abnormal uterine bleeding as a symptom in typhoid fever, 260

WOODHOUSE, D. L. (*See* HUNT AND WOODHOUSE), 1

WOOLSEY, CARRIE I. A more rapid method of guinea pig inoculation for the diagnosis of tuberculosis, 855

WRIGHT, IRVING S., AND MACLENATHEN, ELIZABETH. Excretion of vitamin C in the sweat, 804

—, and —. Potassium cyanide as an agent inhibiting the oxidation of vitamin C in vitro, 808

—, and —. The intradermal test for vitamin C determination, 806

Y

YESINICK, L. (*See* LIBET AND YESINICK), 1304

Z

ZAYTZEFF-JERN, HELEN, AND MELENEY, FRANK L. Effect on bacteriophage of prontylin, prontosil, sulfapyridine, and other antiseptics and dyes used in surgical practice, 1017

ZIPKIN, ISADORE. (*See* ANDERSON AND ZIPKIN) 1209

ZISKIND, JOSEPH. (*See* SCHATTENBERG AND ZISKIND), 264

SUBJECT INDEX

Abstracts are indicated by (Abst.) after the page number; book reviews by (B. Rev.) after the page number.

A

ABC of vitamins, 1223 (B. Rev.)
Abnormal uterine bleeding as symptom in typhoid fever, 260
Acacia in serum, concentration of, following intravenous injection in cirrhosis of liver, 690
Accidents, traffic, alcohol in relation to, 666 (Abst.)
Acetone and acetoacetic acid in urine, detection of, 206
  bodies in urine, stable nitroprusside solution for, 774 (Abst.)
Acetyl-beta-methylcholine and pancreatic extract (Wolffe) in atropinized animals, lethal differences between, 360
Achlorhydria in leucemia, 135
Acid, gluconic, as urinary acidifying agent in man, 1139
Action of chemical and physical agents of Clostridium welchii and its toxin, 245
  of sodium thiocyanate upon tissue oxygen consumption, 832
Acute infections, hematologic studies, 1069
Addicts, drug, are human beings, 1226 (B. Rev.)
Adenoma of pancreas, hyperinsulinism due to, 1050
Adolescents, leucocyte counts and sedimentation rates of, 905
Adrenal insufficiency, diagnostic significance of chloride, sodium and potassium in urine and blood in, 554 (Abst.)
Adrenalin and tobacco smoke, comparison of reactions of human system to, 590
Adsorption of phenol by protein in preparation of certain biologic products, 137
Agar media containing various animal bloods, hemolysis produced by staphylococcus colonies and toxin on, 1264
  serum tellurite, use of, for isolation of pneumococci, 1222 (Abst.)
Aged, normal hematologic standards in, 1172
Agglutinability and certain in vitro tests of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli, comparison of intradermal tests with, 601
  relationship between, and certain in vitro tests of staphylococci, streptococci, and colon bacilli isolated from persons suspected of having chronic infection, 620
Agglutination and Quellung reactions, specificity of pneumococcus types by, 559
  in diagnosis of typhoid fever, 776 (Abst.)
  reaction for S. dysenteriae, specificity of, 889 (Abst.)
  salt optima in, 891 (Abst.)
  test for undulant fever, reliability of, 298
  tests for typhoid fever, evaluation of H and O antigens in, 567
Albumin concentrations in blood plasma, serum, or other body fluids, method for determination of, 439
Alcohol addicts, anemia of, 664 (Abst.)
  in moderation and excess, 1223 (B. Rev.)
  in relation to traffic accidents, 666 (Abst.)
Alcoholism, chronic, development of cirrhosis in, 110 (Abst.)
Alimentary lipemia in young diabetics with evidence of liver damage or dysfunction, 943
Alkalinization in convulsant therapy, role of, 256
Allergy in childhood, 1217 (Abst.)
Aluminum hydroxide gel, effects produced in stomach by ingestion of, 485
Alum-precipitated combined diphtheria and tetanus toxoids, 515
Amino acid nitrogen in blood and urine, determination of, 548
  acids, quantitative determination of, 432
Amyloidosis, renal, 1315 (Abst.)
  Takata-Ara reaction in, 479
Anaerobe jar, Brown, modification of, 1190
Analysis, gas, short cut in, 1177
  of sediment of pollen extract obtained by vacuum filtration, 1077
  quantitative, of urinary calculi, micromethods for, 976
Anemia, antipernicious, principle IV, nature of, 128
  aplastic, with special reference to significance of small lymphocytes, 1316 (Abst.)
  familial hemolytic, dimensions of red cells in, 775 (Abst.)
  hyperchromic, in infants, 222 (Abst.)
  in rabbits, response to liver extract of experimentally induced (typhoid), 411
  of alcohol addicts, 664 (Abst.)
  of pregnancy in gastrectomized and normal dogs, 24
  pernicious, reticulocyte response during therapy in, 677
    role of upper gastrointestinal tract in etiology of, 249
  secondary, of therapeutic malaria in general paresis, effect of copper and iron upon, 346
  sickle cell, erythrocyte in, 1114 (Abst.)
Anemias, hemolytic, hemolysins as cause of clinical and experimental, 777 (Abst.)
  significance of triaxial correlation in classification and treatment of, 191
Anemic patients, hematologic indices in, 899
Anesthetic drugs, effects of, upon rats treated with sulfanilamide, 1066
Aneurysms, dissecting, of aorta, 264
Angina pectoris, xanthine derivatives in, clinical observations on, 380
Animal holders, small, for intravenous injections, 750
Animals, small laboratory, modified apparatus for milking, 426
Antacid properties of magnesium trisilicate in normal subjects and patients with peptic ulcers, 1015
Antagonism, pharmacologic, of metrazol and sodium amytal, 681
Antibacterial sera, preparation of refined and concentrated pneumococcus and meningococcus, 417
Antigen emulsions, Kline, stability of, 181
Antigenic properties of streptococci killed by ultraviolet light, 1245
Antigens, H and O, in agglutination tests for typhoid fever, evaluation of, 567
Antipernicious anemia principle IV, nature of, 128
Antiseptics and dyes used in surgical practice, effect of, on bacteriophage, 1017
Antisera, refining of, 417
Anuria, chemistry of urine after renal decapsulation for, 374
Aorta, dissecting aneurysms of, 264
Apparatus for continuous intravenous injections in unanesthetized animals, 525
  for milking small laboratory animals, modified, 426
  for obtaining gastric contents, modified, 315
  for oxygen therapy, 724
  for photoelectric recording of coagulability of blood and other progressing processes, 517
  micrometer curve measuring, 1205
  new blood culture media, 849
Appendix, human, Trichostrongylus colubriformis in, 15
Artery thrombosis, coronary, 367
Arthritis, chronic, massive doses of vitamin D in, 17

Arthritis—Cont'd
rheumatoid, mechanism of gold therapy in, 1241
serum phosphatase activity in, influence of vitamin D on, 1227
Artificial pneumothorax, nonstatistical evaluation, 893
Aschheim-Zondek, a modification, 554 (Abst.)
Ascites, chylous, and chylothorax, 1045
Ascorbic acid in blood and urine after oral administration of test dose of vitamin C, 1316 (Abst.)
Aspiration of bone marrow, simple method for, 858
Assay of histamine in mammalian blood, micromethod for, 398
Asthma, bronchial, use of urethane in symptomatic treatment of, 453
Atmospheric pollen of Nashville, Tenn., 342
Atropine, effects of, on splenic volume, 1296
Atropinized animals, lethal differences between pancreatic extract (Wolffe) and acetyl-beta-methylcholine in, 360
Autoagglutination, unusual case of, 1135
Automatic volume adjustment of blood sample, modified Van Allen hematocrit tube providing, 75
Autopsies, unselected, in St. Louis hospitals, present incidence of Trichinella spiralis, 1110 (Abst.)
"Average daily reticulocyte response" during daily therapy in pernicious anemia, 677
Avian tuberculosis infection, 1318 (B. Rev.)
Avitaminosis A, lipid changes in nerve degeneration in, 701

B

Baby balance, new, 102
Bacilli, acid-fast, in paraffin sections, staining of, 332 (Abst.)
tubercle, methods for detection of, in negative sputa and other body fluids, 539
typhoid, isolation of, from feces and urines, 461
Bacteria-proof filter candles, improved mantel for, 78
Bacterial endocarditis, mechanism of localization of vegetations of, 1111 (Abst.)
nature of vegetations of, 1317 (Abst.)
infections, sulfanilamide therapy in, 334 (B. Rev.)
toxins, effect of lymphocytes in vitro upon, 471
effects of erythrogenesis, 383
Bacteriology, general, 336 (B. Rev.)
practical, handbook of, 335 (B. Rev.)
textbook of, 336 (B. Rev.)
veterinary, manual of, 668 (B. Rev.)
Bacteriophage, effect of prontylin, prontosil, sulfapyridine, and other antiseptics and dyes used in surgical practice on, 1017
preparations, stored for long periods of time, maintaining potency of, 1290
Bacteriostatic action of sulfanilamide upon hemolytic streptococci in vitro, demonstration of, 650
Bacterium coli, rapid conversion of tryptophan to indol by, 696
Balance, baby, new, 102
Bananas, effect of, on laxation, 580
Basal metabolic rate of normal individuals in New Orleans, 1255
Bence-Jones protein, presumptive tests for, 210
Benzedrine, color reaction for, 109 (Abst.)
effects of, on splenic volume, 1296
sulfate (phenyl-1, amino-2 propane sulfate), changes in spleen size, blood pressure, and erythrocyte count after administration of, in dogs, 1038
Bertrand, Bablet, and Bloch, method of, differentiation of bovine and human strains of tuberculosis by, 1310
Betaine administration, effect of, on liver function and on alimentary lipemia, 943
Bilateral spontaneous pneumothorax, 147
Biochemical observations in hypoglycemia induced by insulin, 809, 815, 913
Biologic products, adsorption of phenol by protein in preparation of, 137
Biological material, determination of water in, rapid method for, 1284
Photographic Association Convention, 1117 (Abst.)
Biologie und Medizin, die elektrischen Gruppen in, 1318 (B. Rev.)
Biopsy, endometrial, clinical interpretation of, 1112 (Abst.)
Blastomycosis, 1111 (Abst.)
Bleeding disorders, platelet studies in subjects with, 821
in jaundice, nature of, 107 (Abst.)
uterine, abnormal, as symptom in typhoid fever, 260
Block, blood-crossing, 1087
Blood, amino acid nitrogen in, determination of, 548
and blood-forming organs, institute for consideration of, 1117
calcium and phosphorus studies before and after extirpation of hyperplastic parathyroid gland, 709
chemistry in human trichinosis, 1005 (Abst.)
postmortem determinations, 775 (Abst.)
cholesterol determinations, use of air-cooled condensers in, 635
quantitative determination of, 529
coagulability of, apparatus for photoelectric recording of, 517
concentration in hypoglycemia, some evidences of, 913
culture media apparatus, new, 849
detection of, by means of chemiluminescence, 1183
determination of sulfanilamide in, 982, 1198
diastase determination in perforated peptic ulcer, 449
diseases, clinical atlas of, 335 (B. Rev.)
flow, differential manometer method for measurement of, 639
gases in relation to hypoglycemic state, behavior of, 809
glucose, quantitative determination, 529
glutathione in hematologic diseases, 669
grouping, artificial concentration of test serums in, 1110 (Abst.)
human, hemoglobin content of, 502
iron and hemoglobin, determination of, 197
method for detection of, by heating, 663 (Abst.)
nonprotein nitrogen, quantitative determination of, 432
occult, test for, 95
oxalated, in determination of erythrocyte sedimentation rate, unreliability of, 757
picture in brucellosis, preliminary report of, 617
peripheral, in rabbits made anemic by chronic hemorrhage, 383
pipette cleaner, 749
plasma proteins and toxemias of pregnancy, relation between, 1007 (Abst.)
total protein and albumin concentrations in, method for determination of, 439
preserved, citrated in "banks" in relation to transfusion in treatment of disease, 1114 (Abst.)
pressure, changes in, after administration of benzedrine sulfate (phenyl-1, amino-2 propane sulfate) in dogs, 1038
comparative study of certain methods of measuring, 861
regeneration, observations on, 1008 (Abst.)
sample, automatic volume adjustment of, 75
serum, human, iron of, 308
sugar determinations, free chlorine as source of error in, 1209
effect of simultaneous multiple injections of insulin on, 458
effects of smoking on, 729
sulfapyridine in, determination of, 795
of guinea pigs after oral administration, 1281
Blood-crossing block, 1087
Bloods, animal, various, hemolysis produced by staphylococcus colonies and toxin on agar media containing, 1264
Bone carcinomatosis, metastatic, associated with parathyroid hyperplasia and symptoms of hyperparathyroidism, 709

Bone—Cont'd
marrow, studies in, 352
simple method for aspiration of, 858
Bovine and human strains of tuberculosis, differentiation of, by method of Bertrand, Bablet, and Bloch, 1310
Bromine in protein-free filtrate, method for determination of, 427
Bromsulphalein test and blood cholesterol in pulmonary tuberculosis, 332 (Abst.)
Bronchial asthma, use of urethane in symptomatic treatment of, 453
Bronchiogenic carcinoma, incidence of primary, 1004 (Abst.)
Brown anaerobe jar, modification of, 1190
Brucella agglutinins in tuberculous individuals, 298
Brucellosis, blood picture in, preliminary report of, 617
significance of standard laboratory procedures in diagnosis of, 1221 (Abst.)

C

Cage for mice, simple and inexpensive, 1306
Calcium and phosphorus in cerebrospinal fluid, study of, 609
gluconate injections, induced localization of streptococci through, 1250
metabolism, effect of massive doses of vitamin D in chronic arthritis on, 17
regulation of, in serum during pregnancy, 892 (Abst.)
Carcinoma, bronchiogenic, incidence of primary, 1004 (Abst.)
inflammatory, of breast, 107 (Abst.)
Carcinomatosis, metastatic bone, associated with parathyroid hyperplasia and symptoms of hyperparathyroidism, 709
Cardiovascular disease, hypertensive, without hypertension, diagnosis of, 125
indications for coramin in, 225 (Abst.)
Carotene and vitamin A in human plasma, photocolorimetric determination of, 1055
Cells and plasma, volume percentage of, instrument for automatically recording, 631
malignant, in serous effusions, 1116 (Abst.)
nerve, stains for, 737
red blood, ingestion of, by E. coli, 665 (Abst.)
in plasma, pleural and ascitic fluids, sedimentation rate of, 556 (Abst.)
Central nervous system, reversal of kidney volume response accompanying abolition of, 717
torula infection of, 495
Cerebrospinal fluid, enzymes in normal and pathologic, study of, 1150
study of calcium and phosphorus in, 609
tests, making gold sol for, 1006 (Abst.)
fluids, paretic, variations in behavior of, with different types of gold sols, 891 (Abst.)
Chancroidal infection, complement fixation test in, 185
Changes, lipid, in nerve degeneration in avitaminosis A, 701
in spleen size, blood pressure, and erythrocyte count after administration of benzedrine sulfate (phenyl-1, amino-2 propane sulfate) in dogs, 1038
Chart for comparing vital capacity of subjects of different size, 543
Chemical and physical agents of Clostridium welchii and its toxin, action of, 245
Chemiluminescence, detection of blood by means of, 1183
Chemistry of urine after renal decapsulation for anuria, 374
Chemotherapy of experimental type II pneumococci meningitis, 1220 (Abst.)
recent advances in, 1224 (B. Rev.)
Childhood, allergy in, 1217 (Abst.)
Chlorine, free, as source of error in blood sugar determinations, 1209
Chlorophyll in human body, determination and quantitative estimation of decomposition of, 230
Cholesterol, blood, determinations, use of air-cooled condensers in, 635
Choline, nitrogenous bases isolation of, 128
Chorionic and estrogenic gonadotropic hormone in normal pregnancy and in toxemia of pregnancy, 1277
Chronic arthritis, massive doses of vitamin D in, 17
infection, relationship between agglutinability and certain in vitro tests of staphylococci, streptococci, and colon bacilli isolated from persons suspected of having, 620
Chylous ascites and chylothorax, 1045
Cinchophen, relation between skin sensitivity, liver function, leucopenic index, and toxic effects from, 597
Cirrhosis in diabetes and chronic alcoholism, development of, 110 (Abst.)
of liver, concentration of acacia in serum in, 690
Clarification of meat infusion, simple method for, 1304
Clinical atlas of blood diseases, 335 (B. Rev.)
chemistry and practical medicine, 335 (B. Rev.)
features, correlation of histologic structure with, 152
gauge for sensitivity to pain, 537
observations on value of various xanthine derivatives in angina pectoris, 380
Clinics on secondary gastrointestinal disorders, 1318 (B. Rev.)
Clostridium welchii and its toxin, action of chemical and physical agents on, 245
Coagulability of blood, apparatus for photoelectric recording of, 517
Coagulation reactions (in vitro), standardized procedure for study of, 273
Coconut milk in culture media, use of non-cooked, nonsterilized, 420
Coexistence of diabetes mellitus and diabetes insipidus, 455
Cold vaccines, evaluation of, 1109 (Abst.)
Collection of urine in dogs, new method for, 1304
Colloidal gold solution, preparation of, 423
Colon bacilli isolated from persons suspected of having chronic infection, comparison of intradermal tests with agglutinability and certain in vitro tests of, 601
relationship between agglutinability and certain in vitro tests of, 620
Color reaction for benzedrine, 109 (Abst.)
for fulminates, 649
Colorimetric method for determination of amino acid nitrogen in blood and urine, 548
Colorimetry, photoelectric, 197, 432, 529
Colubriformis, Trichostrongylus, in human appendix, 15
Comparative study of certain methods of measuring blood pressure, 861
of Laughlen test for syphilis, 212
of media employed in isolation of typhoid bacilli from feces and urines, 461
of standard insulin, crystalline insulin, protamine insulin and hexamine insulin, 337
Comparison of direct smear, flotation-concentration and culture in sputum examination, 224 (Abst.)
of intradermal tests with agglutinability and certain in vitro tests of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli isolated from persons suspected of having chronic infection, 601
of methods for determination of phenol red in gastric contents, 207
of reactions of human system to tobacco smoke and adrenalin, 590
of tests for insulin sensitivity, 1128
Complement fixation in leprosy and other diseases, 1005 (Abst.)
test in chancroidal infection, 185
Condensers, air-cooled, in blood cholesterol determinations, use of, 635
Connective tissue stains, 991
Constant temperature bath, inexpensive small, 415
Convention, biological photographic association, 1117
Convulsant therapy, studies in, 256

Copper and iron, effect of, upon secondary anemia of therapeutic malaria in general paresis, 346
Coramin in cardiovascular disease, indications for, 225 (Abst.)
Coronary artery thrombosis, 367
Correlation of histologic structure with clinical features, 152
triaxial, of hematologic indices, 191
Correspondence, letter from Harry H. Utes, 1118
Counter, electric pulse, 1213
Geiger-Müller, 82
Creatine, quantitative determination of, 432
Creatinine, quantitative determination of, 432
Cultural and immunologic reactions of large and small colony types of Staphylococcus epidermis albus, 1146
differentiation of gonococcus, 986
Culture of human marrow as an aid in evaluation of therapeutic agents, 954
media, blood, apparatus, 849
coconut milk, use of noncooked, nonsterilized, 420
versus guinea pig inoculation in diagnosis of tuberculosis, 70
Current, short wave, medical applications of, 668 (B. Rev.)
Curve measuring apparatus, micrometer, 1205
Cutaneous reaction to Brucella melitensis antigen, histology of, 1004 (Abst.)
Cystic lung disease, congenital, report of a case o f simultaneous bilateral spontaneous pneumothorax due to, 147

D

Demodex folliculorum, histology of, 594
Depressing effect, neural, of trichlorethylene, 1238
Dermatosis, precancerous, and epithelioma in situ, 1113 (Abst.)
Detection of acetone and acetoacetic acid in urine, 206
of blood by means of chemiluminescence, 1183
Determination and quantitative estimation of decomposition of chlorophyll in human body, 230
methemoglobin, 96
of amino acid nitrogen in blood and urine, 548
of blood iron and hemoglobin, 197
of bromine in protein-free filtrate, method for, 427
of erythrocyte fragility, method for, 850
sedimentation rate, unreliability of oxalated blood in, 757
of hippuric acid in urine, 636
of morphine in urine of morphine addicts, 318
of phenol red in gastric contents, 207
of sulfanilamide in blood, further observations on, 982
in tissue, urine, and blood, 1198
of sulfapyridine in blood, 795
of total protein and albumin concentrations in blood plasma, serum, or body fluids, method for, 439
of vitamin C in urine, 1293
of water in biological material, rapid method for, 1284
photocolorimetric, of vitamin A and carotene in human plasma, 1055
quantitative, of blood nonprotein nitrogen, urea, creatinine, creatine, guanidine, and amino acids, 432
of urinary estrogenic hormone (biological method), 643
vitamin C, intradermal test for, 806
Determinations, blood cholesterol, use of air-cooled condensers in, 635
sugar, free chlorine as source of error in, 1209
Device for changing light intensity in the x-ray illuminator, 869
for determining approximate oxygen concentration in oxygen tents, 1088
for viewing precipitin reactions, 847
Diabetes, development of cirrhosis in, 110 (Abst.)
mellitus and diabetes insipidus, coexistence of, 455
juvenile, 337
size of red blood corpuscle in, 773 (Abst.)
Diabetics with evidence of liver damage or dysfunction, alimentary lipemia in, 943
Diagnosis, microscopic, of gonococcus, 986
of enterobiasis, intradermal test as aid in, 627
of hypertensive cardiovascular disease without hypertension, 125
of pregnancy, use of reducing factor of pregnancy urine in, 1072
of tuberculosis, culture versus guinea pig inoculation in, 70
guinea pig inoculation for, 855
of whooping cough, 665 (Abst.)
physical, 1226 (B. Rev.)
Diagnostic significance of chloride, sodium and potassium in urine and blood in adrenal insufficiency, 554 (Abst.)
Dictionary, pocket medical, 1223 (B. Rev.)
Differential manometer method for measurement of blood flow, 639
serum vanadate sedimentation reaction, 1
total, and absolute leucocyte counts in healthy adolescents, 905
Differentiation of bovine and human strains of tuberculosis by method of Bertrand, Bablet, and Bloch, 1310
Digrafia, 334 (B. Rev.)
Diphtheria toxoid and tetanus toxoid, alum precipitated, combined, 512
reactions following use of, 1109 (Abst.)
Disease, cardiovascular, indications for coramin in, 225
Hodgkin's, Gordon test for, 554 (Abst.)
Paget's, extramammary and intraepidermal carcinoma, 1113 (Abst.)
Diseases, hematologic, blood glutathione in, 669
of blood, excretion of bile pigment and hepatic function in, 221 (Abst.)
of mouth and jaws, surgical pathology of, 1223 (B. Rev.)
Dissecting aneurysms of aorta, 264
Dogs, gastrectomized and normal, anemia of pregnancy in, 24
Drug addicts are human beings, 1226 (B. Rev.)
Dusts, implanted, physiologic response of pleural surfaces to, 44
Dysentery, specificity of agglutination reaction for, 889 (Abst.)
Dysfunction, liver, as possible causative factor in renal lithiasis, 836
Dysmenorrhea and uterine bleeding, functional, rationale of use of testosterone propionate in, 1026

E

E. coli, ingestion of red blood cells by, and its significance in, 665 (Abst.)
Effusions in tumor cases, examination of, 685
serous, malignant cells in, 1116 (Abst.)
Electric pulse counter, 1213
Electrical thermometer for hyperpyrexia clinic, inexpensive portable, 181
Electrocardiograph, photoelectric recording of pulse and other oscillatory movements with, 409
Electrocardiographic changes following intravenous administration of magnesium sulfate, 840
Elektrischen Gruppen in Biologie und Medizin, die, 1318 (B. Rev.)
Embedding boxes, plaster of Paris, preparation of, 890 (Abst.)
Emulsions, Kline antigen, stability of, 181
Endocarditis, bacterial, mechanism of localization of vegetations of, 1111 (Abst.)
nature of vegetations of, 1317 (Abst.)
experimental streptococcic, 664 (Abst.)
Endometrial biopsy, clinical interpretation of, 1112 (Abst.)
Enterobiasis, diagnosis of, intradermal test as aid in, 627
Enzymes in normal and pathologic cerebrospinal fluid, study of, 1150
Epidermophytosis, treatment of, laboratory methods for testing fungicides used in, 765
Epinephrine, effects of, on splenic volume, 1296
Epithelioma in situ and precancerous dermatosis, 1113 (Abst.)
Erythroblastosis foetalis, 1217 (Abst.)

Erythrocyte count, changes in, after administration of benzedrine sulfate (phenyl-1, amino-2 propane sulfate) in dogs, 1038
fragility, method for determination of, 850
in sickle cell anemia, 1114 (Abst.)
sedimentation rate, instrument for automatically recording, 631
unreliability of oxalated blood in determination of, 757
Erythrocytes, basophilic, in silicosis, 1007 (Abst.)
red blood cell values in adolescence, 888 (Abst.)
Erythrogenesis, effects of bacterial toxins on, 383
Essential hypertension showing no renal arteriolar changes at autopsy, 60
Estrogen, urinary, method of extracting, 178
Estrogenic and chorionic gonadotropic hormone in normal pregnancy and in toxemia of pregnancy, 1277
hormone, urinary, quantitative determination of, 643
Evaluation of artificial pneumothorax, nonstatistical, 893
of H and O antigens in agglutination tests for typhoid fever, 567
of therapeutic agents, culture of human marrow as an aid in, 954
Examination of effusions in tumor cases, 685
post-mortem, on human case, tularemia following injury while performing, 34
Excretion of vitamin C in sweat, 804
sodium ferrocyanide in estimation of renal function, 844
Experimental infections of rabbits, sulfanilamide in, 164
nephritis produced by staphylococcus toxin in dog, 935
pneumococcus infections, sulfanilamide and derivatives in treatment of, 779
study of behavior of sulfanilamide, 773 (Abst.)
of pernicious anemia in dogs, 249
Extract, liver, effect of, upon polycythemia vera, 65
Extracting urinary estrogen, method of, 178

F

Fat, staining of, 871
Feces and urine, media employed in isolation of typhoid bacilli from, 461
Ferrocyanide, sodium, excretion in estimation of renal function, 844
Fever, acute rheumatic, and rheumatic heart disease, seasonal and regional factors in, 53
Filter candles, bacteria-proof, improved mantel for, 78
Filters, two new, using Seitz E. K. sterilizing pads, 990
Fluid, seminal, imbedding of, 970
Foetalis, erythroblastosis, 1217 (Abst.)
Follicular lymphadenopathy, giant, with or without splenomegaly, 667 (Abst.)
Foot, 335 (B. Rev.)
Formalin-fixed marrow, methylene blue stain for sections of, 405
Frei test, evaluation of, 889 (Abst.)
Fulminate-ferricyanide reagent, 649
Fungi, new species of Madurella, 558 (Abst.)
pathogenic, difference in growth of, with variation of medium and oxygen tension, 39
production of surface growth of, 224 (Abst.)
Fungicides, laboratory methods for testing, 765

G

Gas analysis, short cut in, 1177
Gastric contents, modified apparatus for obtaining, 315
phenol red in, methods for determination of, 207
Gastrointestinal disorders, secondary, clinics on, 1318 (B. Rev.)
tract in etiology of pernicious anemia, role of, 249
Geiger-Müller counter, 82
General bacteriology, 336 (B. Rev.)
Gingivitis, acute infectious, 107 (Abst.)
Glaister's medical jurisprudence and toxicology, 1224 (B. Rev.)
Glia, metallic, stains, 879
stains, nonmetallic, 873
Globulin test for spinal fluid, 109 (Abst.)
Gluconic acid as urinary acidifying agent in man, 1139
Glucose tolerance test, 221 (Abst.)
Glutathione, blood, in hematologic diseases, 669
Glycorrhachia and hypoglycemia, 815
Gold sol for cerebrospinal fluid tests, making, 1006 (Abst.)
sols, variations in behavior of paretic cerebrospinal fluids with different types of, 891 (Abst.)
solution, colloidal, preparation of, 423
therapy in rheumatoid arthritis, mechanism of, 1241
Gonadotropic factor, influence of water-soluble, of pregnancy urine on testes of normal immature and mature rat, 799
hormone, estrogenic and chorionic, in normal pregnancy and in toxemia of pregnancy, 1277
Gonococci and meningococci, new contrast stain for, 331 (Abst.)
meningitis, 220 (Abst.)
Gonococcus, microscopic diagnosis and cultural differentiation of, notes on, 986
smears, method for staining, 1308
Growth, difference in, of pathogenic fungi with variation of medium and oxygen tension, 39
Guanidine, quantitative determination of, 432
Guinea pig inoculation, demonstration of tubercle bacilli by, 1005 (Abst.)
for diagnosis of tuberculosis, 855
in diagnosis of tuberculosis, culture versus, 70
Guinea pigs, optimum dose of sulfanilamide for, 1203
sulfapyridine in blood of, after oral administration, 1281

H

H and O antigens in agglutination tests for typhoid fever, evaluation of, 567
Handbook of practical bacteriology, 335 (B. Rev.)
Harvey lectures, 1224 (B. Rev.)
Hay fever, ragweed, effect of dosage in treatment of 314 cases, 583
Health, effects of tobacco smoking on, 586
Heart disease, rheumatic, and acute rheumatic fever, seasonal and regional factors in, 53
Heat, effect of, on hemolytic and skin-necrotizing factors in staphylococcus toxin, 142
Hematocrit tube, modified Van Allen, providing automatic volume adjustment of blood sample, 75
simple and accurate, 547
tubes, Van Allen, for measurement of changes in volume of cells in hypotonic salt solutions, 850
Hematologic diseases, blood glutathione in, 669
indices in normal and anemic patients, 899
triaxial correlation of, 191
standards in the aged, normal, 1172
studies in acute infections, 1009
Hemoglobin and blood iron, determination of, 197
content of human blood, 502
Hemolysins as cause of clinical and experimental hemolytic anemias, 777 (Abst.)
Hemolysis produced by staphylococcus colonies and toxin on agar media containing various animal bloods, 1264
Hemolytic and skin-necrotizing factors in staphylococcus toxin, effect of heat on, 142
streptococci, bacteriological and clinical study of professional personnel of maternity hospitals, with special reference to carriers of, 106 (Abst.)
in vitro, demonstration of bacteriostatic action of sulfanilamide upon, 650
simplified method for grouping by precipitin reaction, 223 (Abst.)

Hemolytic—Cont'd
streptococcus, cultural characteristics of potentially virulent strains, 1007 (Abst.)
Hemorrhage, chronic, study of peripheral blood picture in rabbits made anemic by, 383
Hepatosplenography, 333 (Abst.)
Hippuric acid in urine, determination of, 636
synthesis and rose bengal excretion tests, a comparison, 866
Histamine in mammalian blood, micromethod for assay of, 398
Histologic structure, correlation of, with clinical features, 152
Histology of cutaneous reaction to Brucella melitensis antigen, 1004 (Abst.)
of Demodex folliculorum, 594
Hodgkin's disease, Gordon test for, 554 (Abst.)
Holders, small animal, for intravenous injection, 750
Hormone, gonadotronic, estrogenic and chorionic, in normal pregnancy and in toxemia of pregnancy, 1277
urinary estrogenic, quantitative determination of, 643
Human appendix, Trichostrongylus colubriformis in, 15
blood, hemoglobin content of, 502
stools, poliomyelitis virus in, 557 (Abst.)
Hyperchromic anemia in infants, 222 (Abst.)
Hyperglycemia in obese, middle-aged persons, 891 (Abst.)
Hyperinsulinism due to adenoma of pancreas, 1050
Hyperparathyroidism, metastatic bone carcinomatosis associated with, 709
Hyperpyrexia clinic, portable electrical thermometer for, 181
Hypertension, essential, showing no renal arteriolar changes at autopsy, 60
hypertensive cardiovascular disease without, diagnosis of, 125
Hypoglycemia and glycorrhachia, 815
blood concentration in, some evidences of, 913
induced by insulin, biochemical observations in, 809, 815, 913
Hypotonic salt solutions, measurement of changes in volume of cells in, 850

I

Identification of Treponema pallidum, simple and time-saving procedure for, 1309
Idiopathic porphyria, acute, 220 (Abst.)
Imbedding of seminal fluid, 970
Immunity following combined diphtheria and tetanus toxoid, alum precipitated, 512
Immunologic and cultural reactions of large and small colony types of Staphylococcus epidermis albus, 1146
Indol, rapid conversion of tryptophan to, by resting Bacterium coli, 696
Infection, chancroidal, complement fixation test in, 185
torula, of central nervous system, 495
Infections, acute, hematologic studies in, 1009
experimental pneumococcus, sulfanilamide and derivatives in treatment of, 779
Infectious gingivitis, acute, 107 (Abst.)
Ingestion of aluminum hydroxide gel, effects produced in stomach by, 485
Injection, continuous intravenous, into small animals, simplified method for, 963
intramuscular, of vitamin K, 919
intravenous, small animal holders for, 750
Injections, calcium gluconate, induced localization of streptococci through, 1250
intravenous, in unanesthetized animals, apparatus for, 525
simultaneous multiple, on blood sugar, effect of, 458
Inoculation, guinea pig, in diagnosis of tuberculosis, culture versus, 70
Institute for consideration of blood and blood-forming organs, 1117
Instrument for automatically recording erythrocyte sedimentation rate and volume percentage of cells and plasma upon a single permanent record, 631
Instrument—Cont'd
for testing condition of myocardium at autopsy (myocardiometer), 657
Geiger-Müller counter, 82
Insulin, biochemical observations in hypoglycemia induced by, 809, 815, 913
comparative study of standard insulin, crystalline insulin, protamine insulin, and hexamine insulin, 337
crystals, zinc, experience with, 1030
effect of simultaneous multiple injections of, on blood sugar, 458
sensitivity, comparison of tests for, 1128
Intestinal involvements, differential diagnosis of, clinical test of method to determine presence of virus of lymphogranuloma venereum, 1222 (Abst.)
Intradermal platelet injections, 821
test as aid in diagnosis of enterobiasis, 627
for vitamin C determination, 806
tests with agglutinability and certain in vitro tests of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli, 601
Intramuscular injection of vitamin K, 919
Intravenous administration of magnesium sulfate, electrocardiographic changes following, 840
injection, continuous, into small animals, simplified method for, 963
small animal holders for, 750
injections in unanesthetized animals, apparatus for, 525
of magnesium sulfate, effect of, on volume of extremities, 951
therapy, cause of chills following, 1316 (Abst.)
Iron and hemoglobin estimations in human blood, 505
of human blood serum, 308
In vitro tests of staphylococci, streptococci, and colon bacilli, relationship between agglutinability and, 620
of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli, comparison of intradermal tests with agglutinability and, 601

J

Jar, Brown anaerobe, modification of, 1190
Jaundice, nature of bleeding in, 107 (Abst.)
Juvenile diabetes mellitus, 337

K

Kahn, Laughlen test for syphilis compared with, 973
test, time interval in reading, 1301
tubes, new method for cleaning and sterilizing, 1085
Kidney volume response, reversal of, accompanying abolition of central nervous system, 717
Kline antigen emulsions, stability of, 181
exclusion test, significance of positive, in syphilis, 557 (Abst.)
test, multiple ring maker for, 189

L

Laboratory animals, small, modified apparatus for milking, 426
methods, clinical, synopsis of, 778 (B. Rev.)
for testing fungicides used in treatment of epidermophytosis, 765
procedures, standard, significance of, in diagnosis of brucellosis, 1221 (Abst.)
Larvae of Trichinella spiralis, method of isolating, for preparation of antigen used for immunologic reactions in trichinosis, 1207
Laughlen test and Ide test in diagnosis of syphilis, inadequacy of, 1114 (Abst.)
for syphilis, comparative study of, 212
compared with Wassermann and Kahn, 973
Laxation, effect of bananas on, 580
Lead hazard, observations on men exposed to, 889 (Abst.)
poisoning, effect of vitamin C on, 1119
Lectures, Harvey, 1224 (B. Rev.)
Leprosy, complement fixation in, 1005 (Abst.)

Lethal differences between pancreatic extract (Wolffe) and acetyl-beta-methylcholine in atropinized animals, 360
Leucemia, achlorhydria in, 135
phagocytic activity in, 1220 (Abst.)
Leucemoid reactions of myeloid type, 890 (Abst.)
Leucocyte counts, serial, 1314 (Abst.)
total, differential, and absolute, and sedimentation rates of healthy adolescents, 905
Leucocytes, phagocytic activity of human, 448 (Abst.)
Leucocytosis, studies on mechanism of, 130
Leucopenic index, relation between, skin sensitivity, liver function, and toxic effects from cinchophen, 597
Levulose tolerance test, 1313 (Abst.)
Light intensity in the x-ray illuminator, simple device for changing, 869
ultraviolet, antigenic properties of streptococci killed by, 1245
Lipemia, alimentary, in young diabetics with evidence of liver damage or dysfunction, 943
Lipid analyses, report of a case with, 1045
changes in nerve degeneration in avitaminosis A, 701
Lipoids, attempt to mobilize, from storage depots by deep massage and increased tissue temperatures, 395
Lithiasis, renal, liver dysfunction as possible causative factor in, 836
urinary, blood calcium, phosphorus and phosphatase in, 774 (Abst.)
Liver, cirrhosis of, concentration of acacia in serum in, 690
damage or dysfunction, alimentary lipemia in young diabetics with evidence of, 943
dysfunction as possible causative factor in renal lithiasis, 836
extract, effect of, upon polycythemia vera, 65
response to, of experimentally induced (typhoid) anemia in rabbits, 411
fatty infiltration of, 110 (Abst.)
function in pneumococcus pneumonia, 554 (Abst.)
relation between, skin sensitivity, leucopenic index, and toxic effects from cinchophen, 597
rose bengal excretion and hippuric acid synthesis tests of, 866
media, preparation of, 523
Lobar pneumonia, experimental, recent studies on, 448 (Abst.)
Localization of streptococci, induced, through calcium gluconate injections, 1250
Lymphadenopathy, giant follicular, with or without splenomegaly, 667 (Abst.)
Lymphocytes, effect of, in vitro upon bacterial toxins, 471
small, aplastic anemia with special reference to significance of, 1316 (Abst.)
Lymphogranuloma venereum, clinical test of method to determine presence of virus of, 1222 (Abst.)
Lymphosarcoma of mediastinum (malignant thymoma), 928
Lysis of tubercle bacilli, spontaneous, on artificial culture media, 776 (Abst.)

M

Machine, pipetting, simple inexpensive, 1082
Madurella, new species of, 558 (Abst.)
Magnesium sulfate, effect of intravenous injections of, on volume of extremities, 951
electrocardiographic changes following intravenous administration of, 840
trisilicate, antacid properties of, in normal subjects and patients with peptic ulcer, 1015
Malaria, new method of staining thick films, 888 (Abst.)
therapeutic, in general paresis, effect of copper and iron upon secondary anemia of, 346
Malarial infections, influence of, on Wassermann and Kahn reactions, 1316 (Abst.)
Malignant neoplasms, 152
thymoma, 928
tumors, multiple primary, 283, 331 (Abst.)
Mange on dogs and other laboratory animals, sulfocyanate as treatment for, 656
Manometer method, differential, for measurement of blood flow, 639
Mantel for bacteria-proof filter candles, improved, 78
Mantoux tests with Gottschall-Bunney diluent for tuberculin, 333 (Abst.)
Manual of neurohistologic technique (*See* Neurohistologic technique)
of veterinary bacteriology, 668 (B. Rev.)
Marrow, bone, studies in, 352
culture of human, in pneumococcic infections, 220 (Abst.)
formalin-fixed, methylene blue stain for sections of, 405
human, culture of, as aid in evaluation of therapeutic agents, 954
sternal, of children in normal and pathologic states, 1115 (Abst.)
Measurement of blood flow, differential manometer method for, 639
Meat infusion, clarification of, simple method for, 1304
Mechanism of gold therapy in rheumatoid arthritis, 1241
of leucocytosis, studies on, 130
Media, agar, containing various animal bloods, hemolysis produced by staphylococcus colonies and toxin on, 1264
blood culture, apparatus, 849
culture, use of noncooked, nonsterilized coconut media in, 420
employed in isolation of typhoid bacilli from feces and urines, 461
liver, preparation of, 523
Mediastinum (malignant thymoma) lymphosarcoma of, 928
Medical applications of short wave current, 668 (B. Rev.)
dictionary, pocket, 1223 (B. Rev.)
jurisprudence and toxicology, Glaister's, 1224 (B. Rev.)
Medicine, forensic, recent advances in, 1225 (B. Rev.)
practical, and clinical chemistry, 335 (B. Rev.)
Medium and oxygen tension, difference in growth of pathogenic fungi with variation of, 39
for culture, isolation and dissociation of tubercle bacilli, 445 (Abst.)
Mediums, culture, production of surface growth of pathogenic fungi on, 224 (Abst.)
Membrane, synovial, and synovial fluid, 668 (B. Rev.)
Meningitis, experimental type II pneumococcic, chemotherapy of, 1220 (Abst.)
gonococci, 220 (Abst.)
pneumococcic, treatment of, with sulfanilamide, 1314 (Abst.)
tuberculous, Levinson test in, 221 (Abst.)
Meningococci and gonococci, new contrast stain for, 331 (Abst.)
infections, sulfanilamide in treatment of, 892 (Abst.)
Menstruating and nonmenstruating women, platelet studies in, 821
Metabolic rate, basal, of normal individuals in New Orleans, 1255
Metabolism, calcium, effect of massive doses of vitamin D in chronic arthritis on, 17
Metallic glia stains, 879
Metastatic bone carcinomatosis associated with parathyroid hyperplasia and symptoms of hyperparathyroidism, 709
Methemoglobin determination, 96
Method, differential manometer, for measurement of blood flow, 639
for aspiration of bone marrow, 858
for clarification of meat infusion, 1304
for cleaning and sterilizing Kahn or Wassermann tubes, 1085
for collection of urine in dogs, 1304
for continuous intravenous injection into small animals, 963
for detection of blood by heating, 663 (Abst.)
for determination of bromine in protein-free filtrate, 427
of erythrocyte fragility, 850

Method for determination—Cont'd
of total protein and albumin concentrations in blood plasma, serum, or other body fluids, 439
of water in biological material, rapid, 1284
for determining hypoproteinemia, 988
for recognition of blood subgroups A_1 and A_2, 1004 (Abst.)
for recording splenic volume changes in intact, unanesthetized dog, simple, 1296
for staining gonococcus smears, quick and reliable, 1308
for visualizing pressure and volume changes applicable to observations on rhythmic variations in peripheral circulation, 753
of Bertrand, Bablet, and Bloch, differentiation of bovine and human strains of tuberculosis by, 1310
of extracting urinary estrogen, rapid and simplified, 178
of guinea pig inoculation for diagnosis of tuberculosis, 855
of isolating larvae of Trichinella spiralis for preparation of antigen used for immunologic reactions in trichinosis, 1207
of obtaining sputum for pneumococcus typing, 868
of pancreatectomy in pigeons, 1210
of rapid sectioning for soft tissues, 557 (Abst.)
Methods for determination of phenol red in gastric contents, comparison of, 207
laboratory, for testing fungicides used in treatment of epidermophytosis, 765
of measuring blood pressure, comparative study of, 861
statistical, for research workers, 1226 (B. Rev.)
Methylene blue stain for sections of formalin-fixed marrow, 405
Metrazol and sodium amytal, pharmacologic antagonism of, 681
Mice, cage for, simple and inexpensive, 1306
stomach tube for oral administration in, 80
Micrococcus catarrhalis, agglutinability and certain in vitro tests of, comparison of intradermal tests with, 601
Micrometer curve measuring apparatus, 1205
Micromethod for assay of histamine in mammalian blood, 398
Micromethods for quantitative analysis of urinary calculi, 976
Microscopic diagnosis and cultural differentiation of gonococcus, notes on, 986
Microsedimentation in infants and children, 777 (Abst.)
Milking small laboratory animals, modified apparatus for, 426
Mind, troubled, 335 (B. Rev.)
Modification, Aschheim-Zondek, 554 (Abst.)
of Brown anaerobe jar, 1190
Mononucleosis, infectious, false positive Wassermann reaction in, 663 (Abst.)
negative serologic reaction for syphilis in nine patients with, 1076
Morphine addicts, determination of morphine in urine of, 318
Morphology of semen, contribution to study of, 970
Multiple primary malignant tumors, 283
ring maker for Kline test, 189
Myelin sheaths, stains for, 739
Myocardiometer, 657
Myocardium, instrument for testing condition of, at autopsy, 657

N

Nasopharynx, malignant neoplasms of, 1218 (Abst.)
Neoarsphenamine in treatment of syphilis, sodium dehydrocholate solution as solvent for, 624
Neoplasms, malignant, 152
of nasopharynx, 1218 (Abst.)
Nephritis, experimental, produced by staphylococcus in dog, 935
Nerve degeneration in avitaminosis A, lipid changes in, 701
Neufeld Quellung reaction in sputums, concentration method applicable to, 330 (Abst.)
test, 218
Neural depressing effect of trichlorethylene, 1238
Neurofibril stains, 746
Neurohistologic technique, manual of, 735, 871, 991, 1096
appendix, 1105
connective tissue stains, 991
general considerations, 735
metallic glia stains, 879
miscellaneous staining methods, 1096
neurofibril stains, 746
nonmetallic glia stains, 873
pineal stains, 996
pituitary stains, 996
references, 1106
spirochete stains, 1000
staining methods, miscellaneous, 1096
of fat, 871
stains for myelin sheaths, 739
for nerve cells, 737
Neutropenia following sulfanilamide, 121
Nitrogen, amino acid, in blood and urine, determination of, 548
Nitrogenous bases isolation of choline, 128
Nitroprusside test for -SH and -S.S-, quantitative unreliability of, 293
Nonfilament-filament ratio and sedimentation rate in low grade chronic illness, 1218 (Abst.)
Nonmetallic glia stains, 873
Nonstatistical evaluation of artificial pneumothorax, 893
Normal hematologic standards in aged, 1172
individuals in New Orleans, basal metabolic rate of, 1255

O

O and H antigens in agglutination tests for typhoid fever, evaluation of, 567
Occult blood, test for, 95
Optimum dose of sulfanilamide for guinea pigs, 1203
Oral administration in rats and mice, new stomach tube for, 80
sulfapyridine in blood of guinea pigs after, 1281
Osmotic pressure, colloid, effect of, concentration of acacia in serum on, in cirrhosis of liver, 690
Oxalated blood in determination of erythrocyte sedimentation rate, unreliability of, 757
Oxidation of vitamin C in vitro, potassium cyanide as an agent inhibiting, 808
Oxygen consumption, tissue, action of sodium thiocyanate upon, 832
tension and medium difference in growth of pathogenic fungi with variation of, 39
tents, device for determining approximate oxygen concentration in, 1088
therapy, new apparatus for, 724
Oxygenator with large surface-volume ratio, 1192

P

Paget's disease, extramammary and intraepidermal carcinoma, 1113 (Abst.)
Pain, sensitivity to, clinical gauge for, 537
Pancreas, adenoma of, hyperinsulinism due to, 1050
Pancreatectomy in pigeons, method of, 1210
Pancreatic extract (Wolffe) and acetyl-beta-methylcholine in atropinized animals, lethal differences between, 360
Pancreatitis, acute, differentiated from perforated peptic ulcer, 449
Parathyroid hyperplasia, metastatic bone carcinomatosis associated with, 709
Paresis, general, effect of copper and iron upon secondary anemia of therapeutic malaria, 346
Pathogenic fungi, difference in growth of, with variation of medium and oxygen tension, 39
Pathologic and normal cerebrospinal fluid, study of enzymes in, 150
Pathological technique, 336 (B. Rev.)

Pathology of placenta, 774 (Abst.)
surgical, of diseases of mouth and jaws, 1223 (B. Rev.)
Patient is unit of practice, 1225 (B. Rev.)
Peptic ulcer, perforated, 449
ulcers, magnesium trisilicate in normal subjects and patients, antacid properties of, 1015
Perforated peptic ulcer, 449
Peripheral circulation, observations on rhythmic variations in, method for visualizing pressure and volume changes applicable to, 753
temperatures of convalescents, effects of smoking on, 729
Peritonitis, spreading, in dogs, prontosil and treatment of, 240
Pernicious anemia, etiology of, role of upper gastrointestinal tract in, 249
reticulocyte response during therapy in, 677
Phagocytic activity of human leucocytes, 448 (Abst.)
in leucemia, 1220 (Abst.)
Pharmacologic antagonism of metrazol and sodium amytal as seen in human individuals (schizophrenic patients), 681
Phenol, adsorption of, by protein in preparation of certain biologic products, 137
red in gastric contents, comparison of methods for determination of, 207
Phenyl-1, amino-2 propane sulfate, changes in spleen size, blood pressure, and erythrocyte count after administration of, in dogs, 1038
Phosphatase, serum, activity in arthritis, influence of vitamin D on, 1227
Phosphorus and calcium in cerebrospinal fluid, study of, 669
Photocolorimetric determination of vitamin A and carotene in human plasma, 1055
Photoelectric colorimetry, 197, 432, 529
recording of coagulability of blood, apparatus for, 517
of pulse and other oscillatory movements with electrocardiograph, 409
Photographic, Biological, Association Convention, 1117
Physical and chemical agents on Clostridium welchii and its toxin, action of, 245
diagnosis, 1226 (B. Rev.)
Physiologic response of pleural surfaces to implanted dusts, 44
Picrotoxin solutions, stability of, 530
Pigeons, method of pancreatectomy in, 1210
Pilocarpine, effects of, on splenic volume, 1296
Pineal and pituitary stains, 996
Pipette cleaner, blood, 749
Pipetting machine, simple inexpensive, 1082
Pituitary and pineal stains, 996
Placenta, pathology of, 774 (Abst.)
Plasma and cells, volume percentage of, instrument for automatically recording, 631
human, photocolorimetric determination of vitamin A and carotene in, 1055
proteins, quantitative determination of, 529
Plaster of Paris embedding boxes, preparation of, 890 (Abst.)
Platelet studies in normal men and women (menstruating and nonmenstruating) and subjects with bleeding disorders, 821
Plethysmographic studies with special reference to waves of respiration, 111 (Abst.)
Pleural surfaces, physiologic response of, to implanted dusts, 44
Pneumococci infections, culture of human marrow, 220 (Abst.)
microscopic precipitin test for typing, 444 (Abst.)
use of serum tellurite agar for isolation of, 1222 (Abst.)
Pneumococcus infections, experimental, sulfanilamide and derivatives in treatment of, 779
type I pneumonia, specific treatment of, 1220 (Abst.)
types, specificity of, by Quellung and agglutination reactions, 559
Pneumococcus—Cont'd
typing, concentration method applicable to Neufeld Quellung reaction in sputums, 330 (Abst.)
method of obtaining sputum for, 868
work kit for, 218
Pneumonia, acute, in infants and children in Johannesburg, 1219 (Abst.)
atypical, acute infection of respiratory tract with, 774 (Abst.)
experimental lobar, recent studies on, 448 (Abst.)
giant cell, of infancy as manifestation of vitamin A deficiency, 1112 (Abst.)
in infancy, sulfapyridine treatment of, 1218 (Abst.)
pneumococcus, studies in liver function in, 554 (Abst.)
type I, specific treatment of, 1220 (Abst.)
use of serum in treatment of higher types of, 773 (Abst.)
Pneumothorax, artificial, nonstatistical evaluation, 893
simultaneous bilateral spontaneous, 147
Poisoning, lead, effect of vitamin C on, 1119
Poliomyelitis virus in human stools, 557 (Abst.)
Pollen, atmospheric, of Nashville, Tenn., 342
extracts, studies in preparation of, 1077
ragweed: on artefact in tissue sections, 952
Polychromasia, original method for detection of, 889 (Abst.)
Polycythemia, course of, 1218 (Abst.)
vera, effect of liver extract upon, 65
Porphyria, studies in, 220 (Abst.)
Portable electrical thermometer for hyperpyrexia clinic, 181
Postmortem determinations in blood chemistry, 775 (Abst.)
examination of stillborn and newly born infants, 106 (Abst.)
examinations, frequency of syphilitic lesions in, 445 (Abst.)
Post-mortem examination on human case, tularemia following injury while performing, 34
Potassium cyanide as agent inhibiting oxidation of vitamin in vitro, 808
Potency of bacteriophage preparations stored for long periods of time, maintaining, 1290
Practice, patient is unit of, 1225 (B. Rev.)
Precipitin reactions, device for viewing, 847
test of hemolytic streptococci applied to Melbourne, 446 (Abst.)
microscopic, for typing pneumococci, 444 (Abst.)
Pregnancy, anemia of, in gastrectomized and normal dogs, 24
diagnosis of, use of reducing factor of pregnancy urine in, 1072
normal, and in toxemia of pregnancy, estrogenic and chorionic gonadotropic hormone in, 1277
regulation of calcium in serum during, 892 (Abst.)
relation between blood plasma proteins and toxemias of, 1007 (Abst.)
skin tests for, 558 (Abst.)
test, the xenopus, 775 (Abst.)
urine, influence of water-soluble gonadotropic factor of, on testes of normal immature and mature rat, 799
Visscher-Bowman test for, 1317 (Abst.)
Preparation of colloidal gold solution, 423
of liver media, 523
of pollen extracts, studies in, 1077
Preparations, bacteriophage, stored for long periods of time, maintaining potency of, 1290
Pressure and volume changes, simple method for visualizing, 753
Primary malignant tumors, multiple, 283
Procedure for identification of Treponema pallidum, 1309
standardized, for study of coagulation reactions (in vitro), 273
Prontosil and treatment of spreading peritonitis in dogs, 240
effect of, on bacteriophage, 1017
soluble, reduction of, by urine, 68
Prontylin, effect of, on bacteriophage, 1017
Protein, Bence-Jones, presumptive tests for, 210

Protein—Cont'd
in preparation of certain biologic products, adsorption of phenol by, 137
total, and albumin concentrations in blood plasma, serum, or other body fluids, method for determination of, 439
Protein-free filtrate, determination of bromine in, method for, 427
Pulse and other oscillatory movements, photoelectric recording of, with electrocardiograph, 409
counter, electric, 1213

Q

Quantitative analysis of urinary calculi, micromethods for, 976
determination of blood glucose, blood cholesterol, serum phosphorus, plasma proteins, and urine sugar, 529
nonprotein nitrogen, urea, creatinine, creatine, guanidine, and amino acids, 432
of urinary estrogenic hormone (biological method), 643
estimation of decomposition of chlorophyll in human body, 230
unreliability of nitroprusside test for -SH and -S.S-, 293
Quellung and agglutination reactions, specificity of pneumococcus types by, 559
Quinidine sulfate, use of, in children, 574

R

Rabbits, streptococcus infections of, sulfanilamide in, 164
Radiology, instrument in, 83
Ragweed hay fever, effect of dosage in treatment of 314 cases, 583
pollen: an artefact in tissue sections, 952
Rat, influence of water-soluble gonadotropic factor of pregnancy urine on testes of, 799
Ratio, surface-volume, large, oxygenator with, 1192
Rats, stomach tube for oral administration in, 80
Reaction, sedimentation, differential serum vanadate, 1
Takata-Ara, in amyloidosis, 479
Reactions, cultural and immunologic, of large and small colony types of Staphylococcus epidermis albus, 1146
following use of diphtheria toxoid, 1109 (Abst.)
immunologic, in trichinosis, method of isolating larvae of Trichinella spiralis for preparation of antigen used for, 1207
(in vitro), coagulation, standardized procedure for study of, 273
leucemoid, of myeloid type, 890 (Abst.)
of human system to tobacco smoke and adrenalin, comparison of, 590
precipitin, device for viewing, 847
Quellung and agglutination, specificity of pneumococcus types by, 559
skin, 398
Wassermann and Kahn, influence of malarial infections on, 1316 (Abst.)
Reagent, fulminate-ferricyanide, 649
Recent advances in chemotherapy, 1224 (B. Rev.)
in forensic medicine, 1225 (B. Rev.)
Red blood cell values in adolescence, 888 (Abst.)
corpuscle, size of, in diabetes mellitus, 773 (Abst.)
cells, dimensions of, in familial hemolytic anemia, 775 (Abst.)
Regeneration, blood observations on, 1008 (Abst.)
Regional, and seasonal, factors in acute rheumatic fever and rheumatic heart disease, 53
Relationship between agglutinability and certain in vitro tests of staphylococci, streptococci, and colon bacilli isolated from persons suspected of having chronic infection, 620
Renal amyloidosis, 1315 (Abst.)
arteriolar changes at autopsy, essential hypertension showing no, 60
Renal—Cont'd
decapsulation for anuria, chemistry of urine after, 374
function, estimation of, sodium ferrocyanide excretion in, 844
lithiasis, liver dysfunction as possible causative factor in, 836
Respiration, waves of, plethysmographic studies with special reference to, 111
Respiratory tract, acute infection of, with atypical pneumonia, 774 (Abst.)
Response, kidney volume, reversal of, 717
to liver extract of experimentally induced (typhoid) anemia in rabbits, 411
Reticulocyte response during therapy in pernicious anemia, 677
Reticulocytes, demonstration of, with Wright's stain, 333 (Abst.)
Rheumatic fever, acute, and rheumatic heart disease, seasonal and regional factors in, 53
serum cholesterol in patients with, 108 (Abst.)
Rheumatoid arthritis, gold therapy in, mechanism of, 1241
Ring maker, multiple, for Kline test, 189
Rose bengal excretion and hippuric acid synthesis tests of liver function, a comparison, 866

S

Salt optima in agglutination, 891 (Abst.)
Schizophrenic patients, pharmacologic antagonism of metrazol and sodium amytal in, 681
Sciatic nerve in avitaminosis A, lipids of, 701
Seasonal and regional factors in acute rheumatic fever and rheumatic heart disease, 53
Sedimentation rate, and nonfilament-filament ratio in low grade chronic illness, 1218 (Abst.)
erythrocyte, unreliability of oxalated blood in determination of, 757
normal, in open pulmonary tuberculosis, 445 (Abst.)
of red blood cells in plasma, pleural and ascitic fluids, 556 (Abst.)
rates of healthy adolescents, 905
reaction, differential serum vanadate, 1
Seitz E. K. sterilizing pads, two new filters using, 990
Seminal fluid, embedding of, 970
Sensitivity, insulin, comparison of tests for, 1128
to pain, clinical gauge for, 537
Sera, antibacterial, preparation of refined and concentrated pneumococcus and meningococcus, 417
Serologic reaction, negative, for syphilis in nine patients with infectious mononucleosis, 1076
Serum cholesterol in patients with rheumatic fever, 108 (Abst.)
concentration of acacia in, in cirrhosis of liver, 690
differential, vanadate sedimentation reaction, 1
human blood, iron of, 308
in treatment of higher types of pneumonia, 773 (Abst.)
method for determining hypoproteinemia with one drop of, 988
phosphatase activity in arthritis, influence of, 1227
phosphorus, quantitative determination of, 529
total protein and albumin concentrations in, method for determination of, 439
Serums, test, artificial concentration of, in blood group, 1110 (Abst.)
Short cut in gas analysis, 1177
Silicosis, basophilic erythrocytes in, 1007 (Abst.)
study of, 447 (Abst.)
Skin reactions, 398
sensitivity, relation between, liver function, leucopenic index, and toxic effects from cinchophen, 597
Skin-necrotizing and hemolytic factors in staphylococcus toxin, effect of heat on, 142
Smoking, effects of, on blood sugar and peripheral temperatures of convalescents, 729
tobacco, effects of, on health, 586

Sodium amytal and metrazol, pharmacologic antagonism of, 681
dehydrocholate solution as solvent for neoarsphenamine in treatment of syphilis, 624
ferrocyanide excretion in estimation of renal function, 844
nitroprusside solution for acetone bodies in urine, 774 (Abst.)
thiocyanate, action of, upon tissue oxygen consumption, 832
Solutions, picrotoxin, stability of, 500
Solvent for neoarsphenamine in treatment of syphilis, sodium dehydrocholate solution as, 624
Specificity of pneumococcus types by Quellung and agglutination reactions, 559
Spinal fluid, globulin test for, 109 (Abst.)
Spirochetal infections, Wassermann reaction positive in, 1219 (Abst.)
Spirochete stains, 1000
Spleen size, changes in, after administration of benzedrine sulfate (phenyl-1, amino-2 propane sulfate) in dogs, 1038
Splenic volume changes in intact, unanesthetized dog, simple method for recording, 1296
effects of epinephrine, pilocarpine, atropine, and benzedrine on, 1296
Spontaneous pneumothorax, simultaneous bilateral, 147
Sputa, negative, methods for detection of tubercle bacilli in, 539
Sputum examination, comparison of direct smear, flotation-concentration and culture in, 221 (Abst.)
method of obtaining, for pneumococcus typing, 868
tubercle bacilli in, method for estimating number of, 663 (Abst.)
technique for concentrating, 1093
Stability of Kline antigen emulsions, 181
of picrotoxin solutions, 500
Stain, gram-methyl green-pyronine, combined, for formalydehyde-fixed tissue, 666 (Abst.)
methylene blue, for sections of formalin-fixed marrow, 405
Wright's demonstration of reticulocytes with, 333 (Abst.)
Staining gonococcus smears, quick and reliable method for, 1308
malaria films, new method of, 888 (Abst.)
methods (*See* Neurohistologic technique)
miscellaneous, 1096
of acid-fast bacilli in paraffin sections, 332 (Abst.)
of fat, 871
Stains (*See* Neurohistologic technique)
connective tissue, 991
for myelin sheaths, 739
for nerve cells, 737
metallic glia, 879
neurofibril, 746
nonmetallic glia, 873
pineal, 996
pituitary, 996
spirochete, 1000
Standards, hematologic, normal, in the aged, 1172
Staphylococci, agglutinability and certain in vitro tests of, comparison of intradermal tests with, 601
relationship between agglutinability and certain in vitro tests of, 620
Staphylococcus colonies and toxin on agar media containing various animal bloods, hemolysis produced by, 1264
epidermis albus, 1146
toxin, effect of heat on hemolytic and skin-necrotizing factors in, 142
in dog, experimental nephritis produced by, 935
Statistical methods for research workers, 1226 (B. Rev.)
Sterilizing and cleaning Kahn or Wassermann tubes, new method for, 1085
Sternal marrow of children in normal and pathologic states, 1115 (Abst.)
Stillborn and newly born infants, postmortem examination of, 106 (Abst.)
Stomach, effects produced in, by ingestion of aluminum hydroxide gel, 485
tube for oral administration in rats and mice, 80
Storage depots, attempt to mobilize lipoids from, by deep massage and increased tissue temperatures, 395
Strains of tuberculosis, differentiation of bovine and human, by method of Bertrand, Bablet, and Bloch, 1310
Streptococci, agglutinability and certain in vitro tests of, comparison of intradermal tests with, 601
antigenic properties of, killed by ultraviolet light, 1245
endocarditis, experimental, 664 (Abst.)
hemolytic, bacteriological and clinical study of professional personnel of maternity hospitals, with special reference to carriers of, 106 (Abst.)
in vitro, demonstration of bacteriostatic action of sulfanilamide upon, 650
precipitin test applied to Melbourne, 446 (Abst.)
simplified method for grouping by precipitin reaction, 223 (Abst.)
induced localization of, through calcium gluconate injections, 1250
relationship between agglutinability and certain in vitro tests of, 620
Streptococcus, hemolytic, cultural characteristics of potentially virulent strains, 1007 (Abst.)
infections of rabbits, sulfanilamide in, 164
Studies, hematologic, in acute infections, 1009
in bone marrow, 352
in convulsant therapy, 256
in preparation of pollen extracts, 1077
on anemia of pregnancy in gastrectomized and normal dogs, 24
on mechanism of action of sulfanilamide, 776 (Abst.)
of leucocytosis, 130
platelet, in normal men and women and subjects with bleeding disorders, 821
plethysmographic, with special reference to waves of respiration, 111
Study of calcium and phosphorus in cerebrospinal fluid, 609
of enzymes in normal and pathologic cerebrospinal fluid, 1150
of methods of measuring blood pressure, 861
of silicosis, 447 (Abst.)
Sugar, blood, effect of simultaneous multiple injections of insulin on, 458
Sulfanilamide and derivatives in treatment of experimental pneumococcus infections, 779
and related compounds, studies of, 954
bacteriostatic action of, upon hemolytic streptococci in vitro, demonstration of, 650
determination of, in tissue, urine, and blood, 1198
effects of anesthetic drugs upon rats treated with, 1066
experimental study of behavior of, 773 (Abst.)
in experimental streptococcus infections of rabbits, 164
in treatment of meningococcic infections, 892 (Abst.)
neutropenia following, 121
optimum dose of, for guinea pigs, 1203
studies on mechanism of action of, 776 (Abst.)
therapy of bacterial infections, 334 (B. Rev.)
treatment of pneumococci meningitis with, 1314 (Abst.)
use of, preliminary report on, 604
in blood, determination of, 795
Sulfapyridine, effect of, on bacteriophage, 1017
in blood, determination of, 795
in blood of guinea pigs after oral administration, 1281
treatment of pneumonia in infancy, 1218 (Abst.)
Sulfate, quinidine, use of, in children, 574
Sulfocyanate as treatment for mange on dogs and other laboratory animals, 656
Surface-volume ratio, large oxygenator with, 1192
Sweat, excretion of vitamin C in, 804
Synopsis of clinical laboratory methods, 778 (B. Rev.)

Synovial membrane and synovial fluid, 668 (B. Rev.)
Syphilis, diagnosis of, inadequacy of Laughlen test and Ide test in, 1114 (Abst.)
effect of tuberculosis on serological reactions for syphilis, 890 (Abst.)
incidence in relationship to age groups and status of therapy at date of infection, 1221 (Abst.)
Laughlen test for, comparative study of, 212
compared with Wassermann and Kahn, 973
negative serologic reaction for, in nine patients with infectious mononucleosis, 1076
neoarsphenamine in treatment of, sodium dehydrocholate solution as solvent for, 624
significance of positive Kline exclusion test, 557 (Abst.)
Syphilitic lesions, frequency of, in postmortem examinations, 445 (Abst.)

T

Takata-Ara reaction in amyloidosis, 479
Technique for concentrating tubercle bacilli in sputum, 1093
neurohistologic, manual of (*See* Neurohistologic technique)
pathological, 336 (B. Rev.)
Temperature bath, constant, inexpensive small, 415
peripheral, of convalescents, effects of smoking on, 729
Test, agglutination, for undulant fever, reliability of, 298
complement fixation, in chancroidal infection, 185
for occult blood, 95
Frei, evaluation of, with mouse brain antigen, 889 (Abst.)
globulin, for spinal fluid, 109 (Abst.)
glucose tolerance, 221 (Abst.)
Gordon, for Hodgkin's disease, 554 (Abst.)
intradermal, as aid in diagnosis of enterobiasis, 627
for vitamin C deficiency, 556 (Abst.)
determination, 806
Kahn, time interval in reading, 1301
Kline, multiple ring maker for, 189
Laughlen, for syphilis, comparative study of, 212
compared with Wassermann and Kahn, 973
Levinson, in tuberculous meningitis, 221 (Abst.)
levulose tolerance, 1313 (Abst.)
Neufeld, 218
nitroprusside, for -SH and -S.S-, quantitative unreliability of, 293
pregnancy, the xenopus, 775 (Abst.)
trichophytin, value of, 1007 (Abst.)
tuberculin, intracutaneous, 330 (Abst.)
Visscher-Bowman, for pregnancy, 1317 (Abst.)
Widal, possible influence of greasy, acid, and alkaline tubes on, 1080
Testosterone propionate in functional uterine bleeding and dysmenorrhea, rationale of use of, 1026
Tests for Bence-Jones protein, presumptive, 210
for insulin sensitivity, comparison of, 1128
of liver function, 866
skin, for pregnancy, 558 (Abst.)
to show possible influence of greasy, acid, and alkaline tubes on Widal test, 1080
Tetanus toxoid, alum precipitated, and diphtheria toxoid combined, 512
Textbook of bacteriology, 336 (B. Rev.)
Therapeutic activity, toxicity, and mode of action of sulfanilamide, 164
agents, culture of human marrow as aid in evaluation of, 954
convulsant, studies in, 256
Therapy, gold, in rheumatoid arthritis, mechanism of, 1241
intravenous, cause of chills following, 1316 (Abst.)
oxygen, new apparatus for, 724
Thermometer, portable electrical, for hyperpyrexia clinia, 181
Thorium dioxide sol, histopathologic study of tissues of 65 patients injected with, 333 (Abst.)
Thrombosis, coronary artery, 367
Thymoma, malignant, 928
Thymus transplants, effect of, on tumor growth, 1247
Time interval in reading Kahn test, 1301
Tissue, determination of sulfanilamide in, 1198
formaldehyde-fixed, combined gram-methyl green-pyronine stain for, 666 (Abst.)
inflammatory carcinoma of breast, 107 (Abst.)
modification of Terry's method of rapid sectioning, 557 (Abst.)
oxygen consumption, action of sodium thiocyanate upon, 832
sections, ragweed pollen, an artefact in, 952
temperatures, increased, and deep massage, attempt to mobilize lipoids from storage depots by, 395
Tobacco smoke and adrenalin, comparison of reactions of human system to, 590
smoking, effects of, on health, 586
Torula infection of central nervous system, 495
Total, differential and absolute leucocyte counts of healthy adolescents, 905
Toxemia of pregnancy, estrogenic and chorionic gonadotropic hormone in normal pregnancy and in, 1277
Toxic effects, relation between, skin sensitivity, liver function, leucopenic index, from cinchophen, 597
Toxicity, therapeutic activity, and mode of action of sulfanilamide in experimental streptococcus infections of rabbits, 164
Toxin and staphylococcus colonies on agar media containing various animal bloods, hemolysis produced by, 1264
staphylococcus in dog, experimental nephritis produced by, 935
Toxins, bacterial, effect of lymphocytes in vitro upon, 471
Toxoids, combined, diphtheria and tetanus, alum precipitated, 512
Transfusions, method of recognition of blood subgroups, A_1 and A_2, 1004 (Abst.)
Transplants, thymus, effect of, on tumor growth, 1247
Treatment for mange on dogs and other laboratory animals, sulfocyanate as, 656
of epidermophytosis, laboratory methods for testing fungicides used in, 765
of spreading peritonitis in dogs, 240
of syphilis, neoarsphenamine in, sodium dehydrocholate solution as solvent for, 624
symptomatic, of bronchial asthma, 453
Treponema pallidum, procedure for identification of, simple and time-saving, 1309
Triaxial correlation of hematologic indices, 191
graphic method for hematologic indices in normal and anemic patients, 899
Trichinella spiralis, method of isolating larvae of, for preparation of antigen used for immunologic reactions in trichinosis, 1207
present incidence of, as determined by study of 1060 unselected autopsies in St. Louis hospitals, 1110 (Abst.)
Trichinosis, blood chemistry in human, 1005 (Abst.)
Trichlorethylene, neural depressing effect of, 1238
Trichophytin test, value of, 1007 (Abst.)
Trichostrongylus colubriformis in human appendix, 15
Troubled mind, 335 (B. Rev.)
Tryptophan, rapid conversion of, to indol by resting Bacterium coli, 696
Tube, hematocrit, simple and accurate, 547
Tubercle bacilli, demonstration of, by culture and by guinea pig inoculation, 1005 (Abst.)
in sputum, technique for concentrating, 1093
medium for culture, isolation and dissociation of, 445 (Abst.)

Tubercle bacilli—Cont'd
method for estimating number of, in sputum, 663 (Abst.)
methods for detection of, in negative sputa and other body fluids, 539
spontaneous lysis of, on artificial culture media, 776 (Abst.)
Tuberculin, Mantoux tests with Gottschall-Bunney diluent for, 333 (Abst.)
test, intracutaneous, 330 (Abst.)
Tuberculoprotein, specific effects of, 1115 (Abst.)
Tuberculosis, bovine and human strains of, differentiation of, by method of Bertrand, Bablet, and Bloch, 1310
culture methods in diagnosis of, 1111 (Abst.)
diagnosis of, culture versus guinea pig inoculation in, 70
guinea pig inoculation for, 855
effect of, on serological reactions for syphilis, 890 (Abst.)
infection, avian, 1318 (B. Rev.)
pulmonary, bromsulphalein test and blood cholesterol in, 332 (Abst.)
normal sedimentation rate in, 445 (Abst.)
practical value of serial leucocyte counts in management of, 1314 (Abst.)
Tuberculous individuals, brucella agglutinins in, 298
Tubes, influence of greasy acid, and alkaline, on Widal test, tests to show, 1080
Tularemia, diagnosis of, 1112 (Abst.)
following injury while performing post-mortem examination on human case, 34
Tumor cases, examination of effusions in, 685
growth, effect of thymus transplants on, 1247
Tumors, malignant, multiple primary, 283, 331 (Abst.)
Turbidimeter, simple inexpensive, 654
Typhoid bacilli, media employed in isolation of, from feces and urines, 461
fever, abnormal uterine bleeding as symptom in, 260
agglutination in diagnosis of, 776 (Abst.)
tests for, evaluation of H and O antigens in, 567
vaccination, study of oral, 888 (Abst.)

U

Ulcer, peptic, perforated, 449
Ulcers, peptic, antacid properties of magnesium trisilicate in normal subjects and patients with, 1015
Ultraviolet light, antigenic properties of streptococci killed by, 1245
Unanesthetized animals, apparatus for intravenous injections in, 525
dog, intact, splenic volume changes in, simple method for recording, 1296
Undulant fever, reliability of agglutination test for, 298
Urea, quantitative determination of, 432
Urethane, use of, in symptomatic treatment of bronchial asthma, 453
Urinary acidifying agent in man, gluconic acid as, 1139
calculi, micromethods for quantitative analysis of, 976
estrogen method of extracting, 178
estrogenic hormone (biological method), quantitative determination of, 643
lithiasis, blood calcium, phosphorus and phosphatase in, 774 (Abst.)
output of normal vitamin C of normal and of sick children, 222 (Abst.)
Urine, acetone and acetoacetic acid in, detection of, 206
after renal decapsulation, chemistry of, 374
amino acid nitrogen in determination of, 548
and feces, media employed in isolation of typhoid bacilli from, 461
collection of, in dogs, new method for, 1304
determination of sulfanilamide in, 1198
hippuric acid in, determination of, 636
of morphine addicts, determination of morphine in, 318
pregnancy, use of reducing factor of, in diagnosis of pregnancy, 1072
Urine—Cont'd
reduction of prontosil soluble by, 68
sugar, quantitative determination of, 529
vitamin C in, determination of, 1293
Urobilinogen, 221 (Abst.)
Uterine bleeding, abnormal, as symptom in typhoid fever, 260
and dysmenorrhea, functional rationale of use of testosterone proprionate in, 1026

V

Vaccination, typhoid, study of oral, 888 (Abst.)
Vaccines, cold, evaluation of, 1109 (Abst.)
Vacuum filtration, analysis of sediment of pollen extract obtained by, 1077
Van Allen hematocrit tube, modified, providing automatic volume adjustment of blood sample, 75
tubes, use of, for measurement of changes in volume of cells in hypotonic salt solutions, 850
Vanadate sedimentation reaction, differential serum, 1
Visscher-Bowman test for pregnancy, 1317 (Abst.)
Vital capacity of subjects of different size, standard for comparing, 543
Vitamin A and carotene in human plasma, photocolorimetric determination of, 1055
deficiency, giant cell pneumonia as manifestation of, 1112 (Abst.)
C, ascorbic acid in blood and urine after oral administration of test dose of, 1316 (Abst.)
deficiency, intradermal test for, 556 (Abst.)
determination, intradermal test for, 806
effect of, on lead poisoning, 1119
in sweat, excretion of, 804
in urine, determination of, 1293
in vitro, potassium cyanide as agent inhibiting oxidation of, 808
urinary output of normal and of sick children, 222 (Abst.)
D in chronic arthritis, massive doses of, effect on calcium metabolism, 17
influence of, on serum phosphatase activity in arthritis, 1227
K, intramuscular injection of, 919
Vitamins, ABC of, 1223 (B. Rev.)
Volume and pressure changes, simple method for visualizing, 753
changes, splenic, in intact, unanesthetized dog, simple method for recording, 1296

W

Wassermann, Laughlen test for syphilis compared with, 973
reaction in infectious mononucleosis, false positive, 663 (Abst.)
positive in spirochetal infections other than syphilis, 1219 (Abst.)
tubes, new method for cleaning and sterilizing, 1085
Water in biological material, rapid method for determination of, 1284
Water-soluble gonadotropic factor of pregnancy urine on testes of normal immature and mature rat, influence of, 799
Whooping cough, diagnosis of, 665 (Abst.)
Widal test, influence of greasy, acid, and alkaline tubes on, 1080
Work kit for pneumococcus typing, 218

X

Xanthine derivatives in angina pectoris, clinical observations on value of various, 380
X-ray illuminator, simple device for changing light intensity in, 869

Z

Zinc insulin crystals, experience with, 1030